



PCBN TURNING

Product Overview

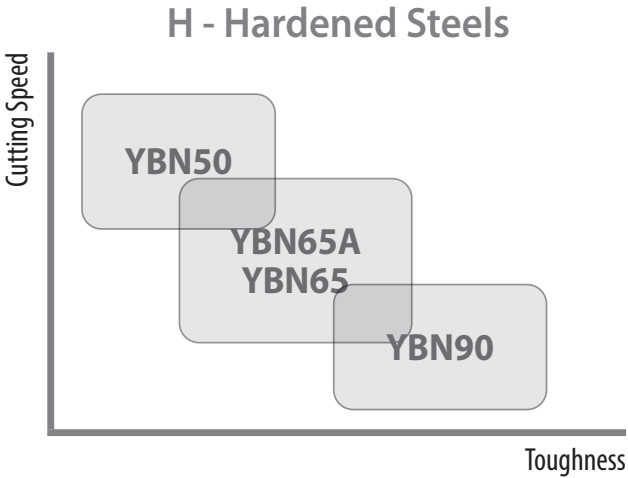
PCBN - Turning Inserts Overview

PCBN Turning Inserts

PCBN - Turning Grades

Turning Grades		K Cast iron				H Hardened Steel			
		K10	K20	K30		H10	H20	H30	
PCBN	YBN50					YBN50			
	YBN65						YBN65		
	YBN65A						YBN65A		
	YBN90		YBN90					YBN90	

NEW YBN50 H5 - H15			Uncoated PCBN grade for Continuous to light interrupted turning of hardened steels • Low content PCBN with excellent chemical wear resistance
NEW YBN65A H10 - H25			Coated PCBN Grade for Continuous to Medium interrupted turning of hardened steels • A coated(AITiSiN Multi layer) PCBN grade for higher cutting speed • Medium content PCBN with superior edge toughness, Good flank and crater wear resistance • Suitable for both roughing and finishing
NEW YBN65 H10 - H25			Uncoated PCBN grade for Continuous to Medium interrupted turning of hardened steels • Medium content PCBN with superior edge toughness, good flank and crater wear resistance • Suitable for both roughing and finishing
NEW YBN90 H20 - H35 K05 - K20			Uncoated PCBN grade of Severe interrupted turning of hardened steels, and the Stable machining of Gray Cast iron, Sintered alloy steel • High content PCBN with high wear resistance, superior impact strength • Excellent edge quality and retention

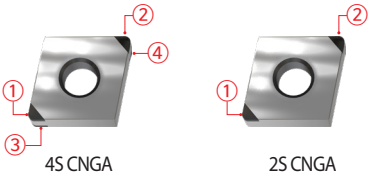


PCBN - Turning Insert Code System

1	2	3	4	5	6
2	S	CNGA432	S	004 20	WG
Number of PCBN corner	PCBN Length	Insert ISO Code System	Edge preparation	① Chamfer width ② Chamfer angel	Special shape

1 - Number of PCBN corner

1	One corner PCBN
2	Two corner PCBN



2 - PCBN Length

N	Normal PCBN tip length, Regrindable
S	Small PCBN tip length One time use
SD	Solid PCBN
FT	Full Top PCBN

3 - Insert ISO Code System

1	One corner PCBN
2	Two corner PCBN

4 - Edge preparation

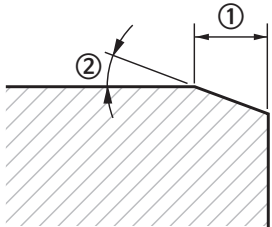
T	T-Land, None Honing
S	T-Land with Honed
X	Special land shape

5 - Chamfer

①	Chamfer width (004 means .004inch)
②	Chamfer angle (20 means 20°)

6 - Special shape

WG	Wiper
None	No Wiper



Grade Name Code System

1	2	3	4
Y	BN	65	A
Company Name	Materials	Contents of PCBN	Kind of Coating

1 - Company Name

Y	YG-1
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2 - Materials

BN	PCBN
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3 - Contents of PCBN

50	50%
65	65%
90	90%

4 - Kind of Coating

None	Uncoated
A	AITiSiN multi-layer
B	TiAlN-TiN

PCBN - Turning Inserts Overview

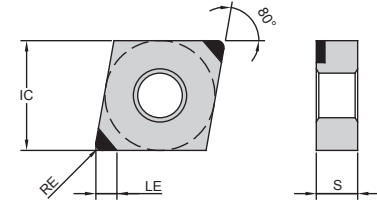
Negative Inserts

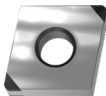
Shape	Series	No. of PCBN Eege	Size & Thickness							Page
C	CNGA	2							43	73
		4							43	
D	DNGA	2							43	74
		4							43	
S	SNGA	4							43	75
T	TNGA	3					33			76
		6					33			
V	VNGA	2					33			77
W	WNGA	3							43	78
		6							43	

Positive Inserts

Shape	Series	No. of PCBN Eege	Size & Thickness							Page
C	CCGW	2		21.5		32.5				79
D	DCGW	2		21.5		32.5				80
S	SCGW	2				32.5				81
T	TCGW	3	1.81.5	21.5		32.5				82
	TPGW	3	1.81.5		22		33			83
V	VBGW	2			22		33			84
	VCGW	2			22		33			85

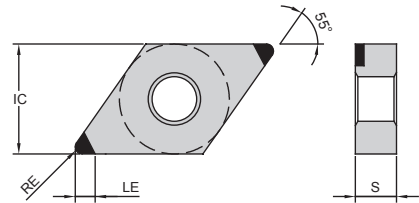
Turning Inserts - Negative
CNGA - PCBN (80° Rhombic)



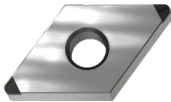
							Series	IC	S	
							CN.. 43	.500	.187	
							EDP 2200..			
							● : Stock item ○ : Order made item			
CNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05-H15	H10-H25	H10-H25	H20-H35 K05-K20
							YBN50	YBN65	YBN65A	YBN90
	2S CNGA431 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3008		
	2S CNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	2	● 3009	● 3010	● 3011	
	2S CNGA432 T00420	.031	.094	.001 ~ .008	.002 ~ .012	2				● 3065
	4S CNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	4		● 3012	● 3013	
	2S CNGA433 S00525	.047	.091	.001 ~ .008	.002 ~ .012	2		● 3014		
	2S CNGA431 S00515WG	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3015		
	2S CNGA432 S00515WG	.031	.094	.001 ~ .008	.002 ~ .012	2	● 3016	● 3017	● 3018	
	2S CNGA432 T00420 WG	.031	.094	.001 ~ .008	.002 ~ .012	2				● 3066
	4S CNGA432 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	4	● 3019	● 3020	● 3021	
	4S CNGA432 T00420 WG	.031	.094	.001 ~ .008	.002 ~ .012	4				● 3067
	2S CNGA433 S00515 WG	.047	.091	.001 ~ .008	.002 ~ .012	2		● 3022		

Turning Inserts - Negative
DNGA - PCBN (55° Rhombic)

Refer to
Turning holder
p.88

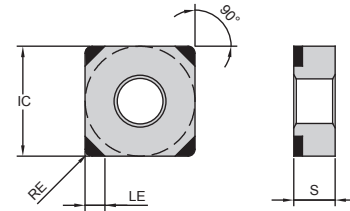


Series	IC	S
DN.. 43	.500	.187
DN.. 44	.500	.250

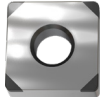
DNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20 YBN90
	2S DNGA431 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3023		
	2S DNGA432 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	● 3024	● 3025	● 3026	
	2S DNGA432 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				● 3068
	4S DNGA432 S00525	.031	.091	.001 ~ .008	.002 ~ .012	4		● 3027	● 3028	
	2S DNGA433 S00525	.047	.079	.001 ~ .008	.002 ~ .012	2		● 3029		
	2S DNGA441 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3030		
	2S DNGA442 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	● 3031	● 3032	● 3033	
	2S DNGA442 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				● 3069
	2S DNGA443 S00525	.047	.079	.001 ~ .008	.002 ~ .012	2		● 3034		

Turning Inserts - Negative
SNGA - PCBN (Square)

Refer to
Turning holder
p.89

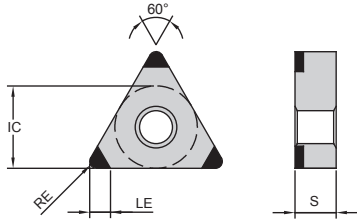


Series	IC	S
SN.. 43	.500	.187

SNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20 YBN90
	4S SNGA431 S00525	.016	.091	.001 ~ .008	.002 ~ .012	4		● 3035		
	4S SNGA432 S00525	.031	.091	.001 ~ .008	.002 ~ .012	4	● 3036	● 3037	● 3038	
	4S SNGA432 T00420	.031	.091	.001 ~ .008	.002 ~ .012	4				● 3070
	4S SNGA433 S00525	.047	.091	.001 ~ .008	.002 ~ .012	4		● 3039		

Turning Inserts - Negative
TNGA - PCBN (60° Triangle)

Refer to
Turning holder
p.90



TNGA

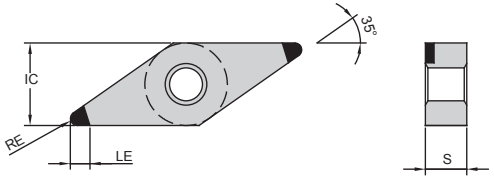
Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege
3S TNGA331 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3
3S TNGA332 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3
3S TNGA332 T00420	.031	.091	.001 ~ .008	.002 ~ .012	3
6S TNGA332 S00525	.031	.091	.001 ~ .008	.002 ~ .012	6
3S TNGA333 S00525	.047	.079	.001 ~ .008	.002 ~ .012	3

Series		IC	S
TN.. 33		.375	.187

H05 - H15	H10 - H25	H10 - H25	H20 - H35
YBN50	YBN65	YBN65A	K05 - K20
YBN90			
	● 3040		
● 3041	● 3042	● 3043	
			● 3071
	● 3044	● 3045	
	● 3046		

Refer to
Turning holder
p.91

Turning Inserts - Negative
VNGA - PCBN (35° Rhombic)

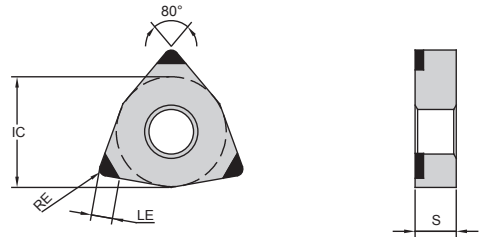


Series	IC	S
VN.. 33	.375	.187

VNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Edge	H05 - H15	H10 - H25	H10 - H25	H20 - H35
							K05 - K20			
							YBN50	YBN65	YBN65A	YBN90
	2S VNGA331 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3047		
	2S VNGA332 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2	● 3048	● 3049	● 3050	
	2S VNGA332 T00420	.031	.079	.001 ~ .008	.002 ~ .012	2				● 3072

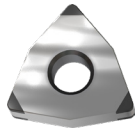
Turning Inserts - Negative
WNGA - PCBN (80° Trigon)

Refer to
Turning holder
p.92

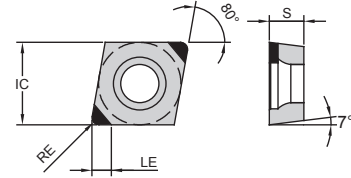


Series	IC	S
WN.. 43	.500	.187

WNGA	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20 YBN90
	3S WNGA431 S00525	.016	.098	.001 ~ .008	.002 ~ .012	3		● 3051		
	3S WNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	3	● 3052	● 3053	● 3054	
	3S WNGA432 T00420	.031	.094	.001 ~ .008	.002 ~ .012	3				● 3073
	6S WNGA432 S00525	.031	.094	.001 ~ .008	.002 ~ .012	6		● 3055	● 3056	
	3S WNGA433 S00525	.047	.091	.001 ~ .008	.002 ~ .012	3		● 3057		
	3S WNGA431 S00515 WG	.016	.098	.001 ~ .008	.002 ~ .012	3		● 3058		
	3S WNGA432 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	3	● 3059	● 3060	● 3061	
	3S WNGA432 T00420 WG	.031	.094	.001 ~ .008	.002 ~ .012	3				● 3074
	6S WNGA432 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	6		● 3062	● 3063	
	3S WNGA433 S00515 WG	.047	.091	.001 ~ .008	.002 ~ .012	3		● 3064		



Turning Inserts - Positive
CCGW - PCBN (80° Rhombic)

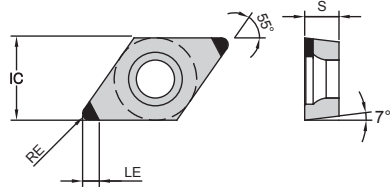


Series	IC	S
CC.. 21.5	.250	.094
CC.. 32.5	.375	.156

CCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20 YBN90
	2S CCGW21.50.5 S00525	.008	.102	.001 ~ .008	.002 ~ .012	2		● 3075		
	2S CCGW21.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2	● 3076	● 3077	● 3078	
	2S CCGW21.51 T00420	.016	.098	.001 ~ .008	.002 ~ .012	2				● 3133
	2S CCGW21.52 S00525	.031	.094	.001 ~ .008	.002 ~ .012	2		● 3079	● 3080	
	2S CCGW32.50.5 S00525	.008	.102	.001 ~ .008	.002 ~ .012	2		● 3081		
	2S CCGW32.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3082	● 3083	
	2S CCGW32.52 S00525	.031	.094	.001 ~ .008	.002 ~ .012	2	● 3084	● 3085	● 3086	
	2S CCGW32.52 T00420	.031	.094	.001 ~ .008	.002 ~ .012	2				● 3134
	2S CCGW32.51 S00515 WG	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3087	● 3088	
	2S CCGW32.52 S00515 WG	.031	.094	.001 ~ .008	.002 ~ .012	2		● 3089	● 3090	



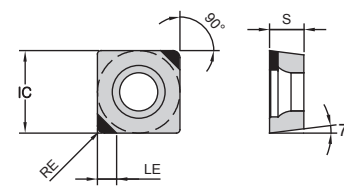
Turning Inserts - Positive
DCGW - PCBN (55° Rhombic)



Series	IC	S
DC.. 21.5	.250	.094
DC.. 32.5	.375	.156

DCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20 YBN90
	2S DCGW21.50.5 S00525	.008	.106	.001 ~ .008	.002 ~ .012	2		● 3091		
	2S DCGW21.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3092	● 3093	
	2S DCGW21.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	● 3094	● 3095	● 3096	
	2S DCGW21.52 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				● 3135
	2S DCGW32.50.5 S00525	.008	.106	.001 ~ .008	.002 ~ .012	2		● 3097	● 3098	
	2S DCGW32.51 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3099	● 3100	
	2S DCGW32.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2	● 3101	● 3102	● 3103	
	2S DCGW32.52 T00420	.031	.091	.001 ~ .008	.002 ~ .012	2				● 3136

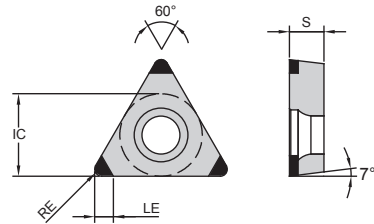
Turning Inserts - Positive
SCGW - PCBN (Square)



Series	IC	S
SC.. 32.5	.375	.156

SCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20 YBN90
	2S SCGW32.51 S00525	.016	.091	.001 ~ .008	.002 ~ .012	2		● 3104		
	2S SCGW32.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	2		● 3105		

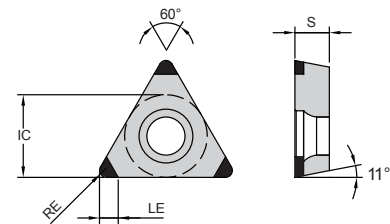
Turning Inserts - Positive
TCGW - PCBN (Triangle)



Series	IC	S
TC.. 1.81.5	.219	.094
TC.. 21.5	.250	.094
TC.. 32.5	.375	.156

TCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20
	3S TCGW1.81.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		● 3106		
	3S TCGW21.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		● 3107	● 3108	
	3S TCGW21.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		● 3109	● 3110	
	3S TCGW32.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		● 3111	● 3112	
	3S TCGW32.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3	● 3113	● 3114	● 3115	
	3S TCGW32.52 T00420	.031	.091	.001 ~ .008	.002 ~ .012	3				● 3137

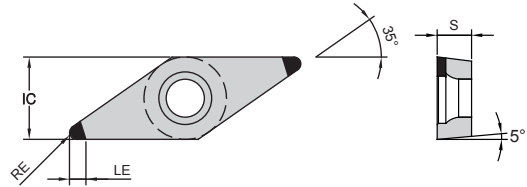
Turning Inserts - Positive
TPGW - PCBN (Triangle)



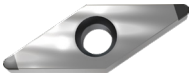
Series	IC	S
TP.. 1.81.5	.219	.094
TP.. 22	.250	.125
TP.. 33	.375	.187

TPGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35
							YBN50	YBN65	YBN65A	K05 - K20
	3STPGW1.81.51 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		● 3116		
	3STPGW1.81.52 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		● 3117		
	3STPGW221 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		● 3118		
	3STPGW222 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		● 3119		
	3STPGW331 S00525	.016	.102	.001 ~ .008	.002 ~ .012	3		● 3120		
	3STPGW332 S00525	.031	.091	.001 ~ .008	.002 ~ .012	3		● 3121		

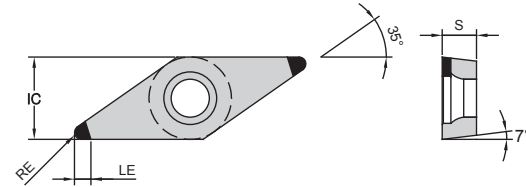
Turning Inserts - Positive
VBGW - PCBN (35° Rhombic)



Series	IC	S
VB.. 22	.250	.125
VB.. 33	.375	.187

VBGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35 K05 - K20
							YBN50	YBN65	YBN65A	YBN90
	2S VBGW221 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3122		
	2S VBGW222 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2		● 3123		
	2S VBGW331 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3124	● 3125	
	2S VBGW332 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2	● 3126	● 3127	● 3128	
	2S VBGW332 T00420	.031	.079	.001 ~ .008	.002 ~ .012	2				● 3138

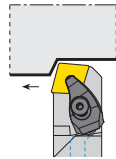
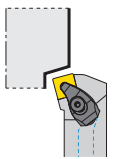
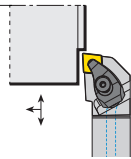
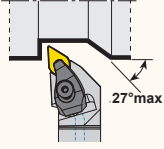
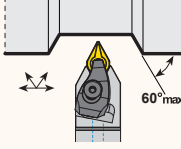
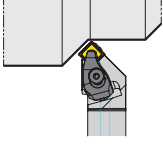
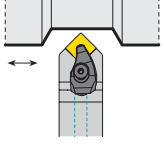
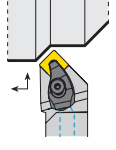
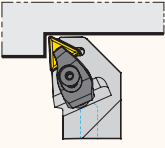
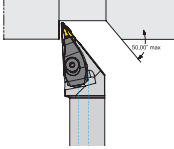
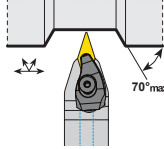
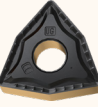
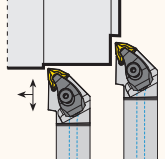
Turning Inserts - Positive
VCGW - PCBN (35° Rhombic)



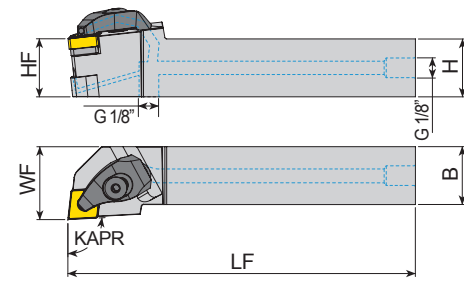
Series	IC	S
VC.. 22	.250	.125
VC.. 33	.375	.187

VCGW	Designation	RE	LE	Fn (In/rev.)	Ap (In)	No. of PCBN Eege	H05 - H15	H10- H25	H10- H25	H20- H35 K05 - K20
							YBN50	YBN65	YBN65A	YBN90
	2S VCGW221 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3129		
	2S VCGW222 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2		● 3130		
	2S VCGW331 S00525	.016	.098	.001 ~ .008	.002 ~ .012	2		● 3131		
	2S VCGW332 S00525	.031	.079	.001 ~ .008	.002 ~ .012	2		● 3132		

External Holders Overview

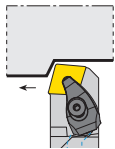
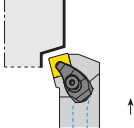
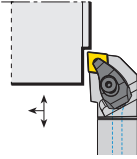
Series		Turning Holder			
	CNMA CNMG CNGG CNMM				
		DCBNR/L Double Clamp	DCKNR/L Double Clamp	DCLNR/L Double Clamp	
		p. 26	p. 87	p. 87	p. 87
	DNMA DNMG DNGG DNMM DNUX				
		DDJNR/L Double Clamp	DDNNN Double Clamp		
		p. 31	p. 88	p. 88	
	SNMA SNMG SNMM				
		DSBNR/L Double Clamp	DSDNN Double Clamp	DSSNR/L Double Clamp	
		p. 38	p. 89	p. 89	p. 89
	TNMA TNMG TNGG TNMM TNUX				
		DTJNR/L Double Clamp			
		p. 42	p. 90		
	VNMA VNMG VNGG				
		DVJNR/L Double Clamp	DVVNN Double Clamp		
		p. 49	p. 91	p. 91	
	WNMA WNMG WNGG				
		DWLNR/L Double Clamp			
		p. 51	p. 92		

Double Clamp with Internal coolant type for CN** Insert



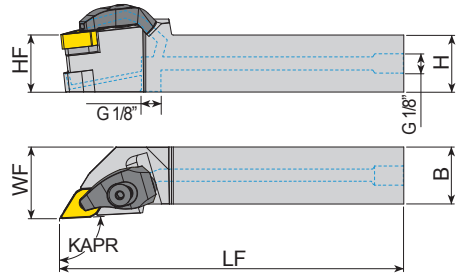
* 'C' Letter at Last : Optional Clamp Included

Unit: inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
	DCBNR/L 124B - C	2337 2336	.75	.75	.79	4.5	CNMG43
	DCBNR/L 164D - C	1520 1521	1	1	.79	6	
	DCBNR/L 204D - C	1522 1523	1.25	1.25	.99	6	
	DCKNR/L 124B - C	2339 2338	.75	.75	1	4.5	CNMG43
	DCKNR/L 164D - C	1516 1517	1	1	1.25	6	
	DCKNR/L 204D - C	1518 1519	1.25	1.25	1.5	6	
	DCLNR/L 164D - C	1502 1503	1	1	1.25	6	CNMG54
	DCLNR/L 165D - C	1506 1507	1	1	1.25	6	
	DCLNR/L 204D - C	1504 1505	1.25	1.25	1.5	6	CNMG43
	DCLNR/L 205D - C	1508 1509	1.25	1.25	1.5	6	CNMG54
	DCLNR/L 206D - C	1512 1513	1.25	1.25	1.5	6	CNMG64
	DCLNR/L 245E - C	2342 2340	1.5	1.5	2	7	CNMG54
	DCLNR/L 246E - C	2343 2341	1.5	1.5	2	7	CNMG64
	DCLNR/L 124B - C	1500 1501	.75	.75	1	4.5	CNMG43

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DC..4	Description	YAACN-3-0001	YAAV-02-M5x12	YATKH-01-R YATKH-02-L	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000137	18000156	18000220 18000221	18000222	28000044	18000223	18000061
DC..5	Description	YAACN-3-0002	YAAV-05-M6x10	YATKH-07-R YATKH-08-L	YAKV-39-M7X21	YAKY-01 YAKY-02	YAXR-01	YAAL-05-4
	EDP	18000138	28000046	28000051 28000052	28000056	28000044 18000164	18000223	18000062
DC..6	Description	YAACN-3-0003	YAAV-17-M6x14	YATKH-09-R YATKH-10-L	YAKV-39-M7X21	YAKY-02	YAXR-01	YAAL-05-4
	EDP	18000139	28000057	28000053 28000054	28000056	18000164	18000223	18000062

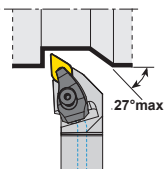
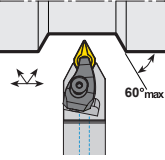
Double Clamp with Internal coolant type for DN** Insert



* 'C' Letter at Last : Optional Clamp Included

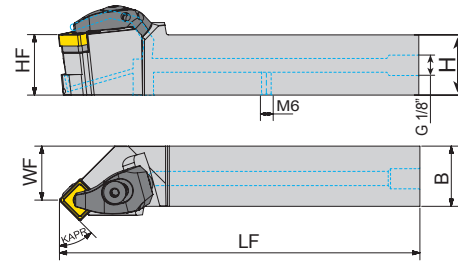
□ : p.31

Unit:inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
 DDJNR/L Approach angle 93°	DDJNR/L 124B - C	1524 1525	.75	.75	1	4.5	DNMG43
	DDJNR/L 164D - C	1526 1527	1	1	1.25	6	
	DDJNR/L 204D - C	1528 1529	1.25	1.25	1.5	6	
 DDNNN Approach angle 62.5°	DDNNN 164D - C	1530	1	1	.5	6	DNMG43
	DDNNN 204D - C	1531	1.25	1.25	.625	6	

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DDJ.4	Description	YAADN-3-0001	YAAV-13-M5x8	YATKH-01-R YATKH-02-L	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000142	18000163	18000220 18000221	18000222	28000044	18000223	18000061
DDN.4	Description	YAADN-3-0001	YAAV-13-M5x8	YATKH-01-R	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000142	18000163	18000220	18000222	28000044	18000223	18000061

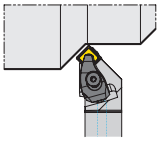
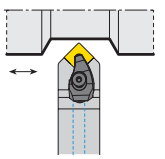
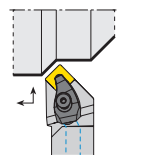
Double Clamp with Internal coolant type for SN** Insert



* 'C' Letter at Last : Optional Clamp Included

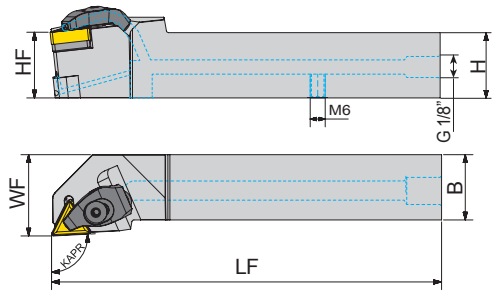
□ : p.38

Unit:inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
 DSBNR/L Approach angle 75°	DSBNR/L 164D - C	1532 1533	1	1	.79	6	SNMG43
	DSBNR/L 165D - C	1536 1537	1	1	.79	6	SNMG54
	DSBNR/L 204D - C	1534 1535	1.25	1.25	.99	6	SNMG43
	DSBNR/L 205D - C	1538 1539	1.25	1.25	.99	6	SNMG54
 DSDNN Approach angle 45°	DSDNN 164D - C	1550	1	1	.5	6	SNMG43
	DSDNN 165D - C	1552	1	1	.5	6	SNMG54
	DSDNN 204D - C	1551	1.25	1.25	.625	6	SNMG43
	DSDNN 205D - C	1553	1.25	1.25	.625	6	SNMG54
	DSDNN 245E - C	2344	1.5	1.5	.75	7	SNMG54
 DSSNR/L Approach angle 45°	DSSNR/L 164D - C	1540 1541	1	1	1.25	6	SNMG43
	DSSNR/L 165D - C	1544 1545	1	1	1.25	6	SNMG54
	DSSNR/L 204D - C	1542 1543	1.25	1.25	1.5	6	SNMG43
	DSSNR/L 205D - C	1546 1547	1.25	1.25	1.5	6	SNMG54
	DSSNR/L 245E - C	2346 2345	1.5	1.5	2	5	SNMG54

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DSB.4 DSS.4	Description	YAASN-3-0004	YAAV-02-M5x12	YATKH-01-R YATKH-02-L	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000145	18000156	18000220 18000221	18000222	28000044	18000223	18000061
DSB.5 DSS.5	Description	YAASN-3-0023	YAAV-05-M6x10	YATKH-07-R YATKH-08-L	YAKV-39-M7X21	YAKY-02	YAXR-01	YAAL-05-4
	EDP	18000219	28000046	28000051 28000052	28000056	18000164	18000223	18000062
DSD.4	Description	YAASN-3-0004	YAAV-02-M5x12	YATKH-01-R	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000145	18000156	18000220	18000222	28000044	18000223	18000061
DSD.5	Description	YAASN-3-0023	YAAV-05-M6x10	YATKH-07-R	YAKV-39-M7X21	YAKY-02	YAXR-01	YAAL-05-4
	EDP	18000219	28000046	28000051	28000056	18000164	18000223	18000062

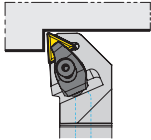
Double Clamp with Internal coolant type for TN** Insert



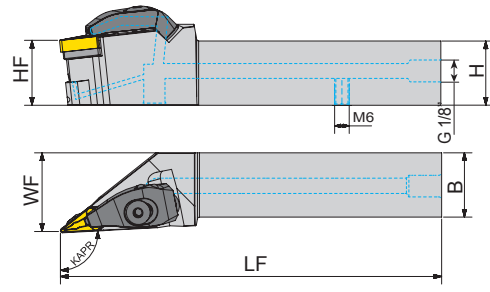
* 'C' Letter at Last : Optional Clamp Included

□: p.42

Unit:inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
 DTJNR/L Approach angle 93°	DTJNR/L 163D - C	1555 2347	1	1	1.25	6	TNMG33
	DTJNR/L 164D - C	1559 2348	1	1	1.25	6	TNMG43
	DTJNR/L 203D - C	1557 2349	1.25	1.25	1.5	6	TNMG33
	DTJNR/L 204D - C	1561 2350	1.25	1.25	1.5	6	TNMG43

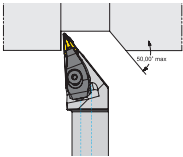
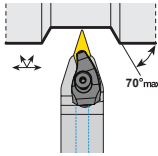
Double Clamp with Internal coolant type for VN** Insert



* 'C' Letter at Last : Optional Clamp Included

□: p.49

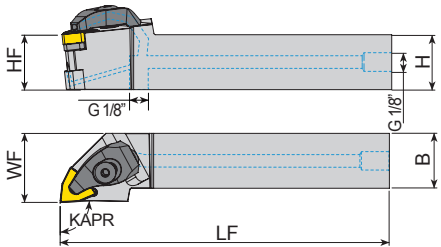
Unit:inch

Series	Designation	EDP 2700.. R L	H (= HF)	B	WF	LF	Insert
 DVJNR/L Approach angle 93°  DVVNN Approach angle 72.5°	DVJNR/L 123B - C	1563 1564	.75	.75	1	4	VNMG33
	DVJNR/L 163D - C	1565 1566	1	1	1.25	6	
	DVJNR/L 203D - C	1567 1568	1.25	1.25	1.25	6	
	DVVNN 123B - C	1569	.75	.75	.375	4	
	DVVNN 163D - C	1570	1	1	.5	6	

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DT.3	Description	YAATN-2-0002	YAAV-03-M5x12	YATKH-03-R YATKH-04-L	YAKV-37-M5X18	YAKY-03	YAXR-02	YAAL-02-2.5
	EDP	18000147	18000157	28000047 28000048	28000055	28000045	28000078	18000060
DT.4	Description	YAATN-3-0015	YAAV-02-M5x12	YATKH-01-R YATKH-02-L	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000148	18000156	18000220 18000221	18000222	28000044	18000223	18000061

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DVJ.3	Description	YAAVN-2-0002	YAAV-04-M5x12	YATKH-05-R YATKH-06-L	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000150	18000158	28000049 28000050	18000222	28000044	18000223	18000061
DVV.3	Description	YAAVN-2-0002	YAAV-04-M5x12	YATKH-05-R	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000150	18000158	28000049	18000222	28000044	18000223	18000061

Double Clamp with Internal coolant type for WN** Insert



* 'C' Letter at Last : Optional Clamp Included

: p. 51

Unit: inch

Series		Designation	EDP 2700.. R	L	H (= HF)	B	WF	LF	Insert
 DWLNR/L Approach angle 95°	●	DWLNR/L 123B - C	1571	1572	.75	.75	1	4.5	WNMG33
		DWLNR/L 124B - C	1575	1576	.75	.75	1	4.5	WNMG43
		DWLNR/L 163D - C	1573	1574	1	1	1.25	6	WNMG33
		DWLNR/L 164D - C	1577	1578	1	1	1.25	6	WNMG43
		DWLNR/L 204D - C	1579	1580	1.25	1.25	1.5	6	



PARTING & GROOVING

Parting & Grooving Inserts Overview

Parting & Grooving Inserts

Parting & Grooving Holders

Series	information	Shim	Shim Screw	Clamp	Clamp Screw	Spring	O-RING	Tork Wrench
DW.3	Description	YAAWN-SW317	YAAV-01-M3x10	YATKH-01-R YATKH-02-L	YAKV-37-MSX18	YAKY-03	YAXR-02	YAAL-02-2.5
	EDP	18000152	18000155	18000220 18000221	28000055	28000045	28000078	18000060
DW.4	Description	YAAWN-3-0001	YAAV-13-M5x8	YATKH-01-R YATKH-02-L	YAKV-33-M6X22	YAKY-01	YAXR-01	YAAL-03-3
	EDP	18000151	18000163	18000220 18000221	18000222	28000044	18000223	18000061