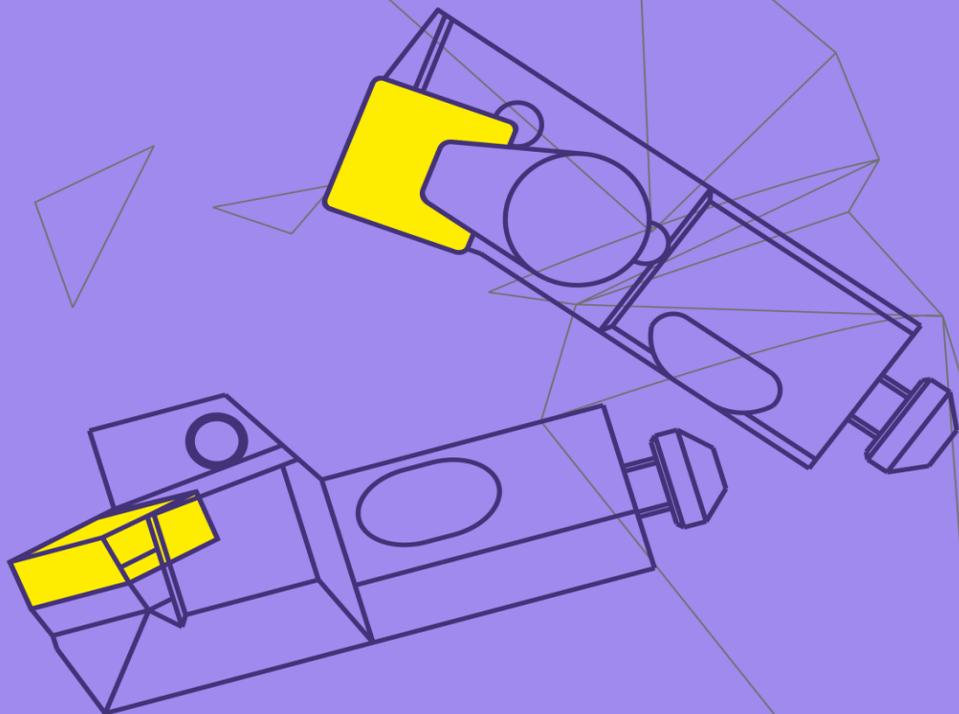
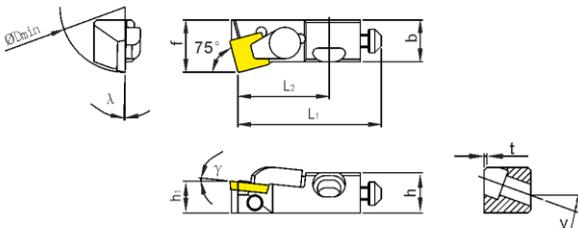


刀 夾

CARTRIDGE

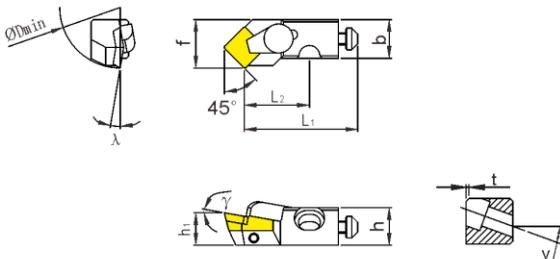


CSKP



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	f	γ	λ	t	v	$\varnothing D_{min}$		
CSKPR/L 10CA 09	15	10	11	50	30	14	6°	2°	5	20°	40	SPMR SP□IN	0903□□
CSKPR/L 12CA 12	20	12	15	55	35	20	6°	2°	6	20°	50		1203□□
CSKPR/L 16CA 12	21	16	20	63	38	25	6°	2°	0	45°	55		1203□□

CSSP

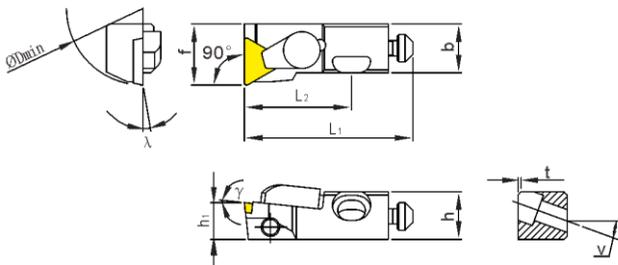


Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	f	γ	λ	t	v	$\varnothing D_{min}$		
CSSPR/L 12CA 12	20	12	15	47	27	20	4°	4°	6	20°	50	SPMR SP□IN	1203□□
CSSPR/L 16CA 12	21	16	20	53	28	25	3°	3°	0	45°	55		1203□□

CARTRIDGE

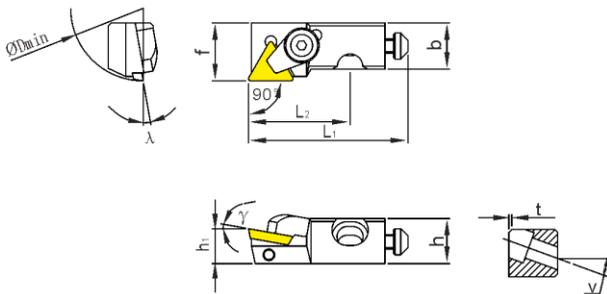


CTFP



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	f	Y	λ	t	v	$\varnothing D_{min}$		
CTFPR/L 10CA 11	15	10	11	50	30	14	6°	0°	5	20°	40	TPMR TPCIN	1103□□
CTFPR/L 12CA 16	20	12	15	55	35	20	6°	0°	6	20°	50		1603□□
CTFPR/L 16CA 16	21	16	20	63	38	25	6°	0°	0	45°	55		1603□□

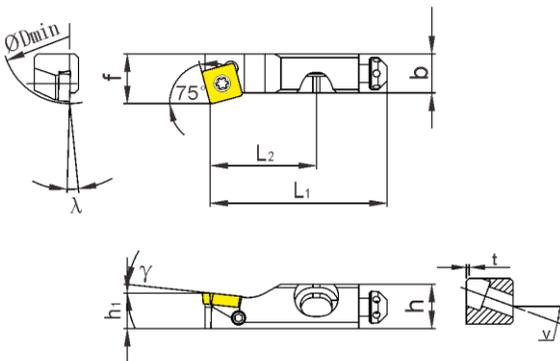
CTGP



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	f	Y	λ	t	v	$\varnothing D_{min}$		
CTGPR/L 10CA 11	15	10	11	50	30	14	0°	4°	5	20°	40	TPMR TPCIN	1103□□
CTGPR/L 12CA 16	20	12	15	55	35	20	0°	4°	6	20°	50		1603□□
CTGPR/L 16CA 16	21	16	20	63	38	25	0°	4°	0	45°	60		1603□□

刀
夾
CARTRIDGE

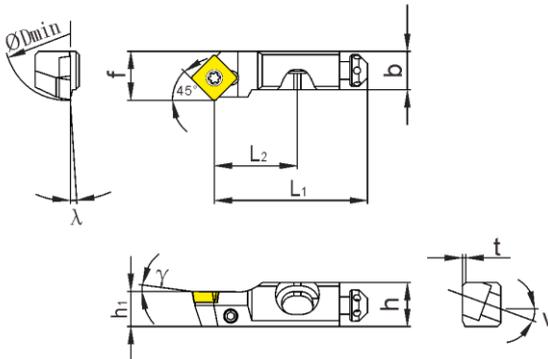
PSSN



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
SSKCR/L 10CA 09	15	10	11	50	30	—	14	-1°	-4°	5	20°	40	SC□□ 09T3□□
SSKCR/L 12CA 12	20	12	15	55	35	—	20	-1°	-4°	6	20°	50	SC□□ 1204□□

CARTRIDGE
刀
夾

PTFN

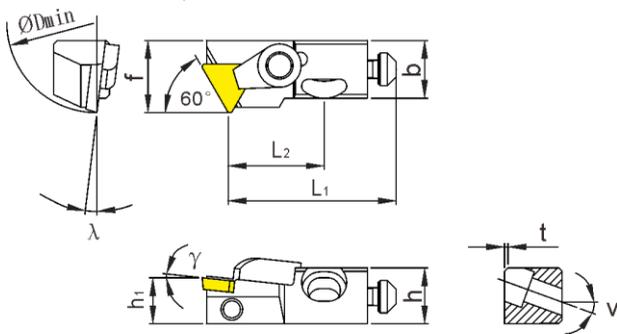


Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
SSSCR/L 10CA 09	15	10	11	44	24	—	14	-4°	-4°	5	20°	40	SC□□ 09T3□□
SSSCR/L 12CA 12	20	12	15	47	27	—	20	-4°	-4°	6	20°	50	SC□□ 1204□□

CARTRIDGE

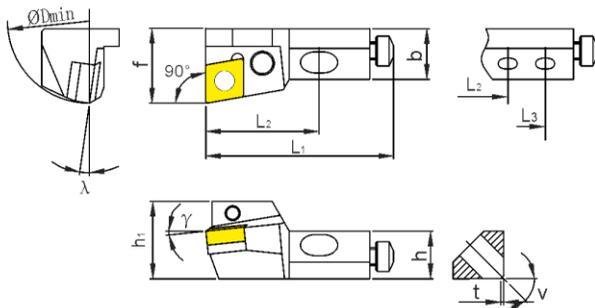


CTWP



Item code	Dimensions,mm											Insert	
	h	h ₁	b	L ₁	L ₂	f	γ	λ	t	v	φD _{min}		
CTWPR/L 10CA 11	15	10	11	44	24	14	3°	3°	5	20°	40	TPMR TPCN	1103□□
CTWPR/L 12CA 16	20	12	15	47	27	20	3°	3°	6	20°	50		1603□□
CTWPR/L 16CA 16	21	16	20	53	28	25	3°	3°	0	45°	55		1603□□

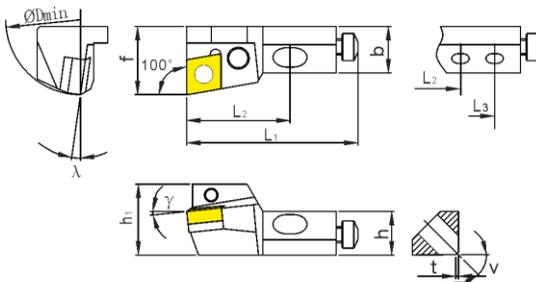
PCFN



刀
夾
CARTRIDGE

Item code	Dimensions,mm											Insert		
	h	h ₁	b	L ₁	L ₂	L ₃	f	γ	λ	t	v		φD _{min}	
PCFNRL 16CA 12	25	16	20	63	38	—	25	-8°	-8°	0	45°	55	CN□□	1204□□
PCFNRL 25CA 19	38	25	25	100	50	70	32	-8°	-8°	0	45°	100		1906□□

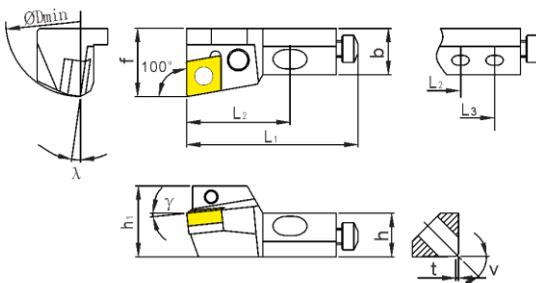
PCGN



Item code	Dimensions,mm											Insert		
	h	h1	b	L1	L2	L3	f	γ	λ	t	v			\varnothing_{min}
PCGNR/L 16CA 12	25	16	20	63	38	—	25	-10°	-6°	0	45°	55	CN□□	1204□□
PCGNR/L 25CA 19	38	25	25	100	50	70	32	-8°	-6°	0	45°	100	CN□□	1906□□

CARTRIDGE
刀
夾

PCLN

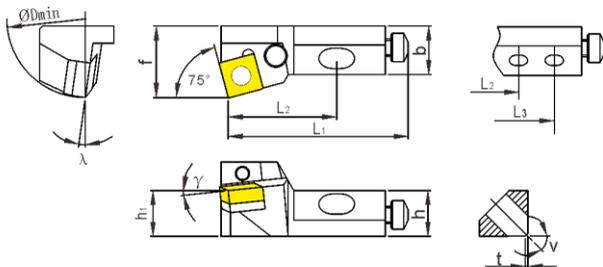


Item code	Dimensions,mm											Insert		
	h	h1	b	L1	L2	L3	f	γ	λ	t	v			\varnothing_{min}
PCLNR/L 16CA 12	25	16	20	63	38	—	25	-8°	-8°	0	45°	55	CN□□	1204□□
PCLNR/L 25CA 19	38	25	25	100	50	70	32	-8°	-8°	0	45°	100	CN□□	1906□□

CARTRIDGE

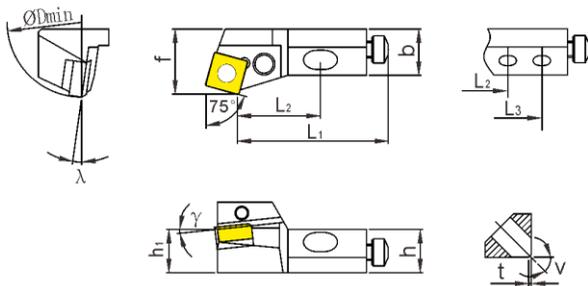


PSKN



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
PSKNR/L 10CA 09	17	10	11	50	30	—	14	-4°	-8°	5	20°	40	0903□□ 1204□□
PSKNR/L 12CA 12	20	12	15	55	35	—	20	-4°	-9°	6	20°	50	SN□□ 1204□□
PSKNR/L 16CA 12	25	16	20	63	38	—	25	-4°	-8°	0	45°	55	1506□□
PSKNR/L 20CA 15	30	20	20	70	40	—	25	-4°	-9°	0	45°	70	1906□□
PSKNR/L 25CA 19	38	25	25	100	50	70	32	-4°	-8°	0	45°	100	

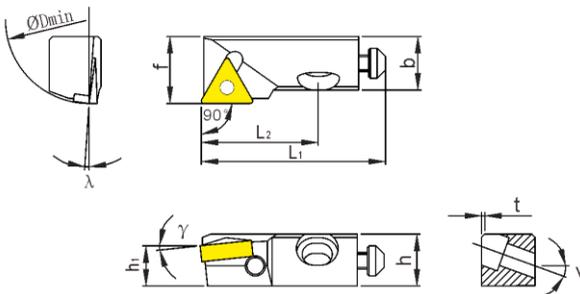
PSRN



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
PSRN/R/L 16CA 12	25	16	20	63	38	—	25	-11°	-3°	0	45°	60	SN□□ 1204□□
PSRN/R/L 20CA 15	30	20	20	70	40	—	25	-11°	-3°	0	45°	70	1506□□

刀
夾
CARTRIDGE

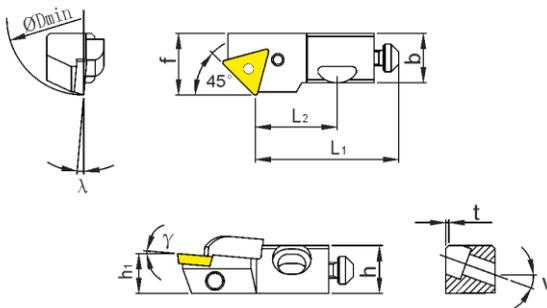
PTGN



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
PTGNR/L 10CA 11	17	10	11	50	30	—	14	-10°	-6°	5	20°	40	TN□□ 1604□□ 1604□□ 2204□□
PTGNR/L 12CA 16	20	12	15	55	35	—	20	-10°	-6°	6	20°	50	
PTGNR/L 16CA 16	25	16	20	63	38	—	25	-10°	-6°	0	45°	60	
PTGNR/L 20CA 22	30	20	20	70	40	—	25	-8°	-6°	0	45°	70	

CARTRIDGE
刀
夾

PTSN

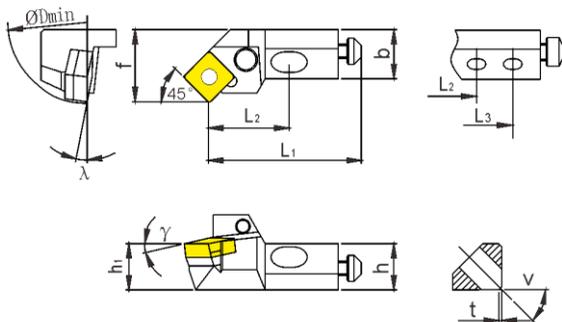


Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
PTSNR/L 10CA 11	17	10	11	44	24	—	14	-5°	-9°	5	20°	40	TN□□ 1604□□ 1604□□ 2204□□
PTSNR/L 12CA 16	20	12	15	47	27	—	20	-5°	-9°	6	20°	50	
PTSNR/L 16CA 16	25	16	20	53	28	—	25	-8°	-8°	0	45°	55	
PTSNR/L 20CA 22	30	20	20	60	30	—	25	-8°	-8°	0	45°	70	

CARTRIDGE

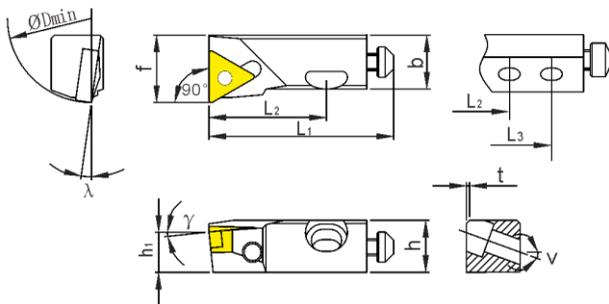


PSSN



Item code	Dimensions,mm												Insert
	h	h1	b	L1	L2	L3	f	γ	λ	t	v	$\varnothing D_{min}$	
PSSNR/L 12CA 12	20	12	15	47	27	—	20	-9°	-5°	6	20°	50	1204□□
PSSNR/L 16CA 12	25	16	20	53	28	—	25	-9°	-5°	0	45°	55	SN□□ 1204□□
PSSNR/L 20CA 15	30	20	20	60	30	—	25	-9°	-5°	0	45°	70	1506□□

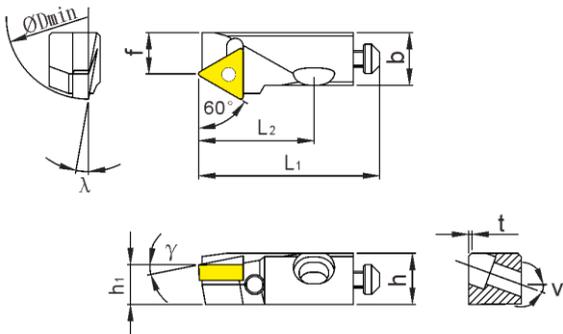
PTFN



Item code	Dimensions,mm												Insert
	h	h1	b	L1	L2	L3	f	γ	λ	t	v	$\varnothing D_{min}$	
PTFNR/L 10CA 11	17	10	11	50	30	—	14	-6°	-8°	5	20°	40	1103□□
PTFNR/L 12CA 16	20	12	15	55	35	—	20	-6°	-9°	6	20°	50	1604□□
PTFNR/L 16CA 16	25	16	20	63	38	—	25	-6°	-8°	0	45°	55	TN□□ 1604□□
PTFNR/L 20CA 22	30	20	20	70	40	—	25	-6°	-8°	0	45°	70	2204□□
PTFNR/L 25CA 27	38	25	25	100	50	70	32	-6°	-9°	0	45°	100	2706□□

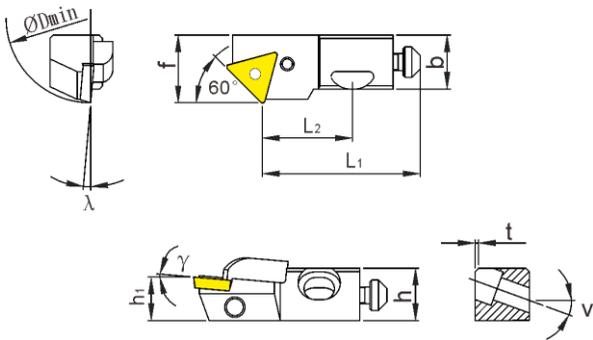
刀
夾
CARTRIDGE

PTTN



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
PTTNR/L 10CA 11	17	10	11	50	30	—	9	-6°	-7°	5	20°	40	TN□□ 1103□□ 1604□□ 1604□□ 2204□□
PTTNR/L 12CA 16	20	12	15	55	35	—	13	-6°	-7°	6	20°	50	
PTTNR/L 16CA 16	25	16	20	63	38	—	15	-7°	-8°	0	45°	60	
PTTNR/L 20CA 22	30	20	20	70	40	—	15	-7°	-8°	0	45°	70	

PTWN



Item code	Dimensions,mm											Insert	
	h	h1	b	L1	L2	L3	f	γ	λ	t	v		$\varnothing D_{min}$
PTWNR/L 10CA 11	17	10	11	44	24	—	14	-1°	-10°	5	20°	40	TN□□ 1103□□ 1604□□ 1604□□ 2204□□
PTWNR/L 12CA 16	20	12	15	47	27	—	20	-3°	-9°	6	20°	50	
PTWNR/L 16CA 16	25	16	20	53	28	—	25	-2°	-8°	0	45°	55	
PTWNR/L 20CA 22	30	20	20	60	30	—	25	-2°	-8°	0	45°	70	