

PVLN (External / Copying)

5°

Lock Screw can be operated from this direction.

50°

90° L2

L1

F1

B

H1

H

Side Rake Angle: -6°
Angle of Inclination: -9°

• Right-hand shown

PVPN (External / Facing / Copying / Undercutting)

27.5°

Lock Screw can be operated from this direction.

27.5°

L2

L1

F1

B

H1

H

Side Rake Angle: -13°
Angle of Inclination: -10°

• Right-hand shown

PVVN (External / Copying)

72.5°

Lock Screw can be operated from this direction.

72.5°

L2

L1

F1

B

H1

H

Back Rake Angle: -11°

Toolholder Dimensions

Part Number	Stock			Unit	Dimensions						Standard Corner-R(rε)	Spare Parts			
	R	N	L		H1=h	B	L1	L2	F1	F2		Lock Pin	Lock Screw	Shim	Wrench
PVLN% 2525M-16Q	○	○	○	mm	25	25	150	37	32.0	-	0.8	LP-6S	LS-15	KVN-32	LW-3
PVPN% 2020K-16Q	○	○	○		20	20	125	30	25.0	22	0.8	LP-2S	LS-11	KVN-32	LW-3
2525M-16Q	○	○	○		25	25	150	30	32.0	28	0.8	LP-6S			
PVVNN 2020K-16Q		○			20	20	125	35	10.0	-	0.8	LP-2S	LS-15	KVN-32	LW-3
2525M-16Q		○			25	25	150	40	12.5	-	0.8	LP-6S			

Applicable Inserts

Toolholder	Insert	Application	Finishing	Finishing-Medium	Finishing-Medium	Medium	Roughing	Finishing-Medium	Stainless Steel / Finishing	Stainless Steel / Medium-Roughing
PVLN%...-16Q	VN□A VN□G VN□M	Ref. Page	• B41	• B41	• B41	• B41	• B41	• B42	• B42	• B42
PVPN%...-16Q		Insert	PP	VF	PQ	TN-V	Standard	%	MQ	MS
PVVNN...-16Q		Size	33..	33..	33..	33..	33..	33..	33..	33..
		Application	Stainless Steel / Medium-Roughing	Cast Iron	Cast Iron	Non-ferrous Metals	Hard Materials			
		Ref. Page	• B42	• B42	• B96	• C23	• C12			
		Insert	MU	Without Chipbreaker	Ceramic	PCD	CBN			
		Size	33..	33..	33..	33..	33..			

Recommended Cutting Conditions • D41-D42