

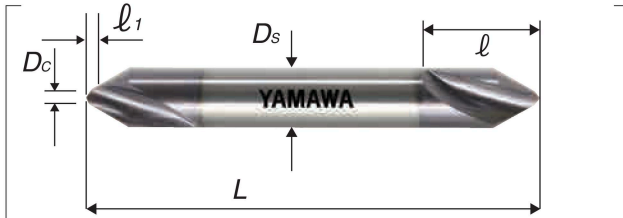
# C-PE-S-V

Cemented Carbide Point Drills 60°, TiAlN Coated



Segment : 52

Having two edge angles, end angle of 125° and bevel angle of 90°, C-PE-S-V makes both centering and beveling simultaneously. High cutting accuracy is available owing to a good cutting-start due to 2 step flat design.



Size Ds × Dc × θ	Stock	Code	l (mm)	l <sub>1</sub> (mm)	ℓ (mm)	D <sub>c</sub> (mm)	D <sub>s</sub> (mm)	Number of Flutes	Type
6×2×60°	○	VCPE6.0S	55	0.52	10	2	6	2	Ch
8×2.5×60°	○	VCPE8.0S	65	0.68	14	2.5	8	2	Ch
10×3×60°	○	VCPE010S	75	0.78	19	3	10	2	Ch

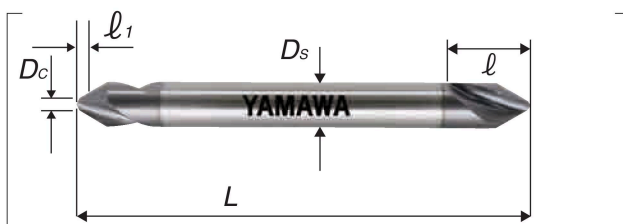
# PE-SL-V

Long Shank Point Drills 60°, TiCN Coated



Segment : 56

Having two edge angles, end angle of 125° and bevel angle of 90°, PE-SL-V makes both centering and beveling simultaneously. High cutting accuracy is available owing to a good cutting-start due to 2 step flat design.



Size Ds × Dc × θ	Stock	Code	l (mm)	l <sub>1</sub> (mm)	ℓ (mm)	D <sub>c</sub> (mm)	D <sub>s</sub> (mm)	Number of Flutes	Type
4×1×60°	○	VPEL4.0S	100	0.26	8	1	4	2	Ch
6×2×60°	○	VPEL6.0S	100	0.52	10	2	6	2	Ch
8×2.5×60°	○	VPEL8.0S	100	0.65	14	2.5	8	2	Ch
	○	VPEM8.0S	150						
10×3×60°	○	VPEL010S	100	0.78	19	3	10	2	Ch
	○	VPEM010S	150						
12×3.5×60°	○	VPEL012S	100	0.91	21	3.5	12	2	Ch
	○	VPEM012S	150						

# PE-SL-V Long Shank Point Drills 60°, TiCN Coated

Size Ds × Dc × θ	Stock	Code	l (mm)	l <sub>1</sub> (mm)	ℓ (mm)	D <sub>c</sub> (mm)	D <sub>s</sub> (mm)	Number of Flutes	Type
16×4×60°	○	VPEM016S	150	1.04	26	4	16	2	Ch

# NC-SD-V

NC Starting Drills for Center Positioning, TiN Coated



Segment : 56

Having a design of high toughness, NC-SD-V enables the stable positioning and beveling of high accuracy. With good cutting-start, NC-SD-V works well in positioning on curved face or inclined face which is difficult place to machine.



Size Dc × θ	Stock	Code	l (mm)	ℓ (mm)	D <sub>c</sub> (mm)	D <sub>s</sub> (mm)	Number of Flutes	Type
3×90°	○	VCS-D3.0Q	46	10	3	3	2	Ci
4×90°	○	VCS-D4.0Q	55	12	4	4	2	Ci
5×90°	○	VCS-D5.0Q	62	13	5	5	2	Ci
6×90°	◎	VCS-D6.0Q	66	15	6	6	2	Ci
8×90°	◎	VCS-D8.0Q	79	20	8	8	2	Ci
10×90°	◎	VCS-D010Q	89	23	10	10	2	Ci
12×90°	◎	VCS-D012Q	102	26	12	12	2	Ci
16×90°	○	VCS-D016Q	115	32	16	16	2	Ci
20×90°	○	VCS-D020Q	131	40	20	20	2	Ci
25×90°	○	VCS-D025Q	151	50	25	25	2	Ci