

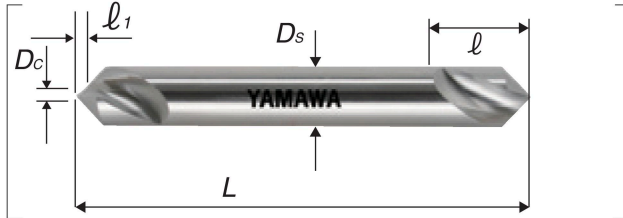
# PE-Q

## Point Drills 90°

HSS

Segment : 56

Having two edge angles, end angle of 125° and bevel angle of 90°, PE-Q 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 x Dc x 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
3×0.5×90°	○	PE3.0Q	40	0.13	6	0.5	3	2	Ch
4×1×90°	○	PE4.0Q	45	0.26	8	1	4	2	Ch
6×2×90°	○	PE6.0Q	55	0.52	10	2	6	2	Ch
8×2.5×90°	○	PE8.0Q	65	0.65	14	2.5	8	2	Ch
10×3×90°	○	PE10.0Q	75	0.78	15	3	10	2	Ch
12×3.5×90°	○	PE12.0Q	85	0.91	17	3.5	12	2	Ch
16×4×90°	○	PE16.0Q	90	1.04	21	4	16	2	Ch
20×5×90°	○	PE20.0Q	100	1.30	24	5	20	2	Ch

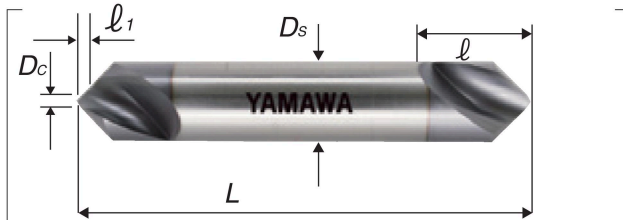
# PE-Q-V

## Point Drills 90°, TiCN Coated

HSS TiCN

Segment : 56

Having two edge angles, end angle of 125° and bevel angle of 90°, PE-Q-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 x Dc x 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
3×0.5×90°	○	VPE3.0Q	40	0.13	6	0.5	3	2	Ch
4×1×90°	○	VPE4.0Q	45	0.26	8	1	4	2	Ch
6×2×90°	○	VPE6.0Q	55	0.52	10	2	6	2	Ch

# PE-Q-V Point Drills 90°, TiCN Coated

Size Ds x Dc x 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
8×2.5×90°	○	VPE8.0Q	65	0.65	14	2.5	8	2	Ch
10×3×90°	○	VPE10.0Q	75	0.78	15	3	10	2	Ch
12×3.5×90°	○	VPE12.0Q	85	0.91	17	3.5	12	2	Ch
16×4×90°	○	VPE16.0Q	90	1.04	21	4	16	2	Ch
20×5×90°	○	VPE20.0Q	100	1.30	24	5	20	2	Ch

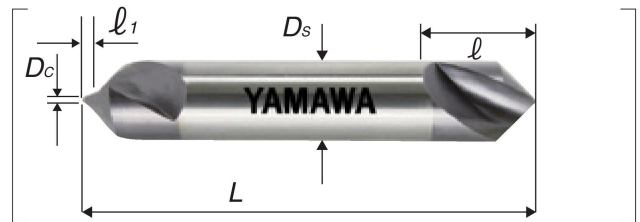
# C-PE-Q-V

## Cemented Carbide Point Drills 90°, TiAlN Coated

HF TiAlN

Segment : 52

Having two edge angles, end angle of 125° and bevel angle of 90°, C-PE-Q-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 x Dc x 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
3×0.5×90°	○	VCPE3.0Q	40	0.13	6	0.5	3	2	Ch
4×1×90°	○	VCPE4.0Q	45	0.26	8	1	4	2	Ch
6×2×90°	○	VCPE6.0Q	55	0.52	10	2	6	2	Ch
8×2.5×90°	○	VCPE8.0Q	65	0.65	14	2.5	8	2	Ch
10×3×90°	○	VCPE10.0Q	75	0.78	15	3	10	2	Ch
12×3.5×90°	○	VCPE12.0Q	85	0.91	17	3.5	12	2	Ch
16×4×90°	○	VCPE16.0Q	90	1.04	21	4	16	2	Ch