

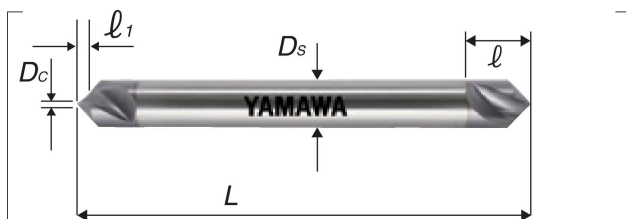
PE-QL-V

Long Shank Point Drills 90°, TiCN Coated

HSS TiCN

Segment : 56

Having two edge angles, end angle of 125° and bevel angle of 90°, PE-QL-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 ₁ (mm)	l (mm)	D _c (mm)	D _s (mm)	Number of Flutes	Type
4x1x90°	○	VPEL4.0Q	100	0.26	8	1	4	2	Ch
6x2x90°	○	VPEL6.0Q	100	0.52	10	2	6	2	Ch
8x2.5x90°	○	VPEL8.0Q	100	0.65	14	2.5	8	2	Ch
	○	VPEM8.0Q	150						
10x3x90°	○	VPEL10Q	100	0.78	15	3	10	2	Ch
	○	VPEM10Q	150						
12x3.5x90°	○	VPEL12Q	100	0.91	17	3.5	12	2	Ch
	○	VPEM12Q	150						
16x4x90°	○	VPEM16Q	150	1.04	21	4	16	2	Ch
20x5x90°	○	VPEM20Q	150	1.30	24	5	20	2	Ch

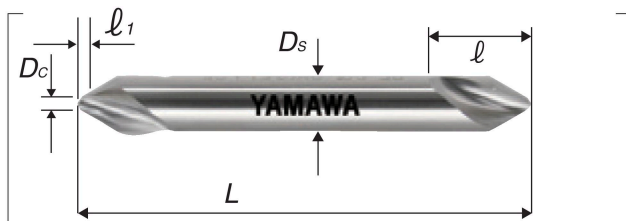
PE-S

Point Drills 60°

HSS

Segment : 56

Having two edge angles, end angle of 125° and bevel angle of 90°, PE-S 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 ₁ (mm)	l (mm)	D _c (mm)	D _s (mm)	Number of Flutes	Type
3x0.5x60°	○	PE3.0S	40	0.13	6	0.5	3	2	Ch

PE-S Point Drills 60°

Size Ds x Dc x θ	Stock	Code	L (mm)	l ₁ (mm)	l (mm)	D _c (mm)	D _s (mm)	Number of Flutes	Type
4x1x60°	○	PE4.0S	45	0.26	8	1	4	2	Ch
6x2x60°	○	PE6.0S	55	0.52	10	2	6	2	Ch
8x2.5x60°	○	PE8.0S	65	0.65	14	2.5	8	2	Ch
10x3x60°	○	PE10S	75	0.78	19	3	10	2	Ch
12x3.5x60°	○	PE12S	85	0.91	21	3.5	12	2	Ch
16x4x60°	○	PE16S	90	1.04	26	4	16	2	Ch
20x5x60°	○	PE20S	100	1.30	31	5	20	2	Ch

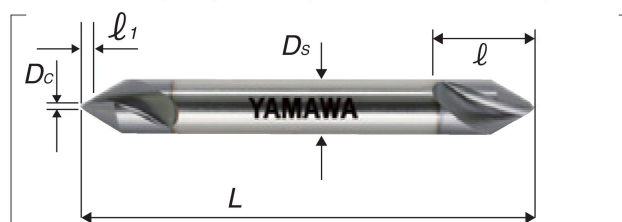
PE-S-V

Point Drills 60°, TiCN Coated

HSS TiCN

Segment : 56

Having two edge angles, end angle of 125° and bevel angle of 90°, 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 x Dc x θ	Stock	Code	L (mm)	l ₁ (mm)	l (mm)	D _c (mm)	D _s (mm)	Number of Flutes	Type
3x0.5x60°	○	VPE3.0S	40	0.13	6	0.5	3	2	Ch
4x1x60°	○	VPE4.0S	45	0.26	8	1	4	2	Ch
6x2x60°	○	VPE6.0S	55	0.52	10	2	6	2	Ch
8x2.5x60°	○	VPE8.0S	65	0.65	14	2.5	8	2	Ch
10x3x60°	○	VPE10S	75	0.78	19	3	10	2	Ch
12x3.5x60°	○	VPE12S	85	0.91	21	3.5	12	2	Ch
16x4x60°	○	VPE16S	90	1.04	26	4	16	2	Ch
20x5x60°	○	VPE20S	100	1.30	31	5	20	2	Ch