

Special angle specifications list including E-Roll

φ 40～φ 62

Less than φ 30

Less than φ 30(15° ,30° ,60° ,85°)

Less than φ 30(0°)

December , 2018

| Angle | Spec | Right angle pitch | Reference depth | Reference cell volume |
|-------|---------|-------------------|-----------------|------------------------------------|
| | (L No.) | (P mm) | (H μm) | (cm ³ /m ²) |
| 45° | L20 | 1.2700 | 352 | 171 |
| | L25 | 1.0160 | 348 | 165 |
| | L30 | 0.8467 | 299 | 149 |
| | L36 | 0.7056 | 257 | 114 |
| | L40 | 0.6350 | 240 | 114 |
| | L45 | 0.5644 | 204 | 96 |
| | L50 | 0.5080 | 182 | 85 |
| | L55 | 0.4618 | 161 | 78 |
| | L60 | 0.4233 | 145 | 71 |
| | L65 | 0.3908 | 126 | 83 |
| | L70 | 0.3629 | 125 | 56 |
| | L75 | 0.3387 | 115 | 56 |
| | L80 | 0.3175 | 107 | 50 |
| | L85 | 0.2988 | 104 | 45 |
| | L90 | 0.2822 | 95 | 49 |
| | L95 | 0.2674 | 84 | 41 |
| | L100 | 0.2540 | 70 | 35 |
| | L105 | 0.2419 | | |
| | L110 | 0.2309 | 65 | 33 |
| | L120 | 0.2117 | 58 | 29 |
| | L130 | 0.1954 | 54 | 26 |
| | L140 | 0.1814 | 44 | 22 |
| | L150 | 0.1693 | 41 | 17 |
| | L160 | 0.1588 | | |
| | L170 | 0.1494 | | |
| | L180 | 0.1411 | 35 | 17 |
| | L190 | 0.1337 | | |
| | L200 | 0.1270 | 26 | 14 |
| | L210 | 0.1210 | | |
| | L220 | 0.1155 | | |
| | L230 | 0.1104 | 28 | 14 |
| | L240 | 0.1058 | | |
| | L250 | 0.1016 | 28 | 13 |
| | L300 | 0.0847 | 22 | 11 |
| | L350 | 0.0726 | 12 | 6 |
| | L400 | 0.0635 | 6 | 3 |

| Angle | Spec | Right angle pitch | Reference depth | Reference cell volume |
|-------|---------|-------------------|-----------------|------------------------------------|
| | (L No.) | (P mm) | (H μm) | (cm ³ /m ²) |
| 45° | L20 | 1.2700 | 361 | 173 |
| | L25 | 1.0160 | | |
| | L30 | 0.8467 | | |
| | L36 | 0.7056 | 266 | 137 |
| | L40 | 0.6350 | | |
| | L45 | 0.5644 | 210 | 102 |
| | L50 | 0.5080 | 184 | 87 |
| | L55 | 0.4618 | | |
| | L60 | 0.4233 | 143 | 77 |
| | L65 | 0.3908 | | |
| | L70 | 0.3629 | 127 | 57 |
| | L75 | 0.3387 | | |
| | L80 | 0.3175 | | |
| | L85 | 0.2988 | 100 | 49 |
| | L90 | 0.2822 | 92 | 48 |
| | L95 | 0.2674 | | |
| | L100 | 0.2540 | 72 | 35 |
| | L105 | 0.2419 | | |
| | L110 | 0.2309 | 62 | 28 |
| | L120 | 0.2117 | | |
| | L130 | 0.1954 | 48 | 23 |
| | L140 | 0.1814 | | |
| | L150 | 0.1693 | 37 | 19 |
| | L160 | 0.1588 | | |
| | L170 | 0.1494 | | |
| | L180 | 0.1411 | 35 | 16 |
| | L190 | 0.1337 | | |
| | L200 | 0.1270 | 31 | 17 |
| | L210 | 0.1210 | | |
| | L220 | 0.1155 | | |
| | L230 | 0.1104 | | |
| | L240 | 0.1058 | | |
| | L250 | 0.1016 | 25 | 14 |
| | L300 | 0.0847 | 23 | 11 |
| | L350 | 0.0726 | 16 | 8 |
| | L400 | 0.0635 | 11 | 7 |

| Angle | Spec | Right angle pitch | Reference depth | Reference cell volume |
|-------|-------------|-------------------|-----------------|------------------------------------|
| | | (P mm) | (H μm) | (cm ³ /m ²) |
| 15° | P0.08H6S | 0.08 | 6 | 4 |
| | P0.1H12S | 0.1 | 12 | 6 |
| | ※WP0.3H15S | 0.3 | 15 | 8 |
| | P0.1H16S | 0.1 | 16 | 9 |
| | P0.2H28S | 0.2 | 28 | 10 |
| | P0.2H24S | 0.2 | 24 | 11 |
| | ※P0.2H33S | 0.2 | 33 | 18 |
| | P0.25H40S | 0.25 | 40 | 20 |
| | P0.25H54S | 0.25 | 54 | 26 |
| | P0.3H62S | 0.3 | 62 | 32 |
| | P0.4H71S | 0.4 | 71 | 37 |
| | P0.4H82S | 0.4 | 82 | 41 |
| | P0.508H197S | 0.508 | 197 | 98 |
| 30° | ※P0.2H15S | 0.2 | 15 | 8 |
| | ※P0.2H15S | 0.2 | 15 | 9 |
| | ※P0.3H17S | 0.3 | 17 | 10 |
| | P0.2H20S | 0.2 | 20 | 10 |
| | P0.25H40S | 0.25 | 40 | 21 |
| | P0.25H56S | 0.25 | 56 | 27 |
| | P0.3H62S | 0.3 | 62 | 33 |
| | P0.4H79S | 0.4 | 79 | 36 |
| | P0.4H72S | 0.4 | 72 | 38 |
| | P0.2H81S | 0.2 | 81 | 40 |
| | P0.7H144S | 0.7 | 144 | 71 |
| 60° | P0.2H22S | 0.2 | 22 | 11 |
| | P0.127H47S | 0.127 | 47 | 21 |
| | P0.2H73S | 0.2 | 73 | 36 |
| | P0.508H194S | 0.508 | 194 | 99 |
| 85° | P0.2H75S | 0.2 | 75 | 34 |
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| Angle | Spec | Right angle pitch | Reference depth | Reference cell volume |
|-------|------------|-------------------|-----------------|------------------------------------|
| | | (P mm) | (H μm) | (cm ³ /m ²) |
| 0° | P0.1H7S | 0.1 | 7 | 4 |
| | P0.1H11K | 0.1 | 11 | 6 |
| | P0.2H8K | 0.2 | 8 | 6 |
| | P0.1H11K | 0.1 | 11 | 7 |
| | P0.125H12K | 0.125 | 12 | 8 |
| | P0.125H14K | 0.125 | 14 | 8 |
| | P0.1H15K | 0.1 | 15 | 8 |
| | P0.1H18S | 0.1 | 18 | 9 |
| | P0.125H19K | 0.125 | 19 | 11 |
| | P0.15H21S | 0.15 | 21 | 13 |
| | P0.2H18K | 0.2 | 18 | 13 |
| | P0.2H20K | 0.2 | 20 | 13 |
| | P0.2H22K | 0.2 | 22 | 15 |
| | P0.2H29K | 0.2 | 29 | 18 |
| | P0.2H32K | 0.2 | 32 | 18 |
| | P0.2H34K | 0.2 | 34 | 19 |
| | P0.2H43K | 0.2 | 43 | 22 |
| | P0.2H42K | 0.2 | 42 | 23 |
| | P0.3H39K | 0.3 | 39 | 25 |
| | P0.3H41K | 0.3 | 41 | 26 |
| | P0.3H47K | 0.3 | 47 | 28 |
| | P0.3H47K | 0.3 | 47 | 30 |
| | P0.3H44K | 0.3 | 44 | 30 |
| | P0.3H54K | 0.3 | 54 | 33 |
| | P0.4H50K | 0.4 | 50 | 37 |
| | P0.4H66K | 0.4 | 66 | 48 |
| | P0.4H91K | 0.4 | 91 | 58 |
| | P0.4H127K | 0.4 | 127 | 68 |
| | P0.45H133K | 0.45 | 133 | 77 |
| | P0.45H136K | 0.45 | 136 | 91 |
| | P0.45H139K | 0.45 | 139 | 91 |
| | P0.6H163K | 0.6 | 163 | 103 |
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•A difference in film thickness may occur depending on the coating conditions and the physical properties of the coating liquid.
•Some specifications are not listed. Please contact us if you do not have the required specifications.
•The reference depth and reference cell volume are possibility to change.
•Please contact us about specifications* because it may not be possible to manufacture depending on the size (diameter, length).