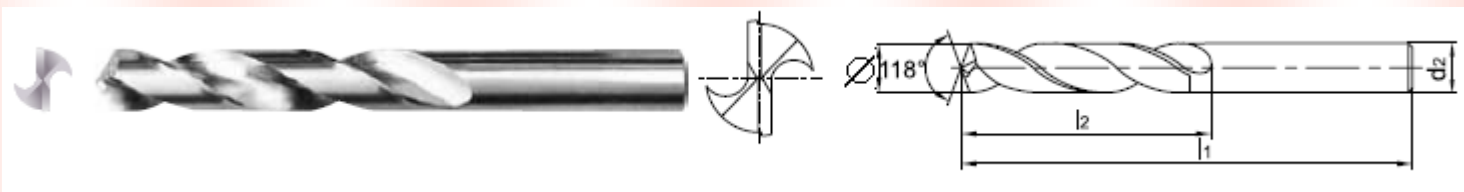


VRTÁKY NA HLINÍKOVÉ SLITINY A LITINU BEZ VNITŘNÍHO CHLAZENÍ

3xD a 5xD

Tvrdokovové vrtáky pro vrtání litiny a hliníkové slitiny. Vrták průměr tolerance h8, stopka tolerance h7



| Označení 3xD | Rozměry v mm | | | | CZK/ks bez DPH |
|--------------|--------------|----|----|----|----------------|
| | Průměr | L2 | L1 | d2 | |
| AC.AL.3D.020 | 2 | 12 | 38 | 2 | 155 |
| AC.AL.3D.022 | 2,2 | 14 | 43 | 2 | 159 |
| AC.AL.3D.025 | 2,5 | 14 | 43 | 3 | 159 |
| AC.AL.3D.028 | 2,8 | 16 | 46 | 3 | 179 |
| AC.AL.3D.030 | 3 | 16 | 46 | 3 | 160 |
| AC.AL.3D.031 | 3,1 | 18 | 49 | 3 | 175 |
| AC.AL.3D.032 | 3,2 | 18 | 49 | 3 | 175 |
| AC.AL.3D.033 | 3,3 | 18 | 49 | 3 | 175 |
| AC.AL.3D.034 | 3,4 | 20 | 52 | 3 | 175 |
| AC.AL.3D.035 | 3,5 | 20 | 52 | 4 | 175 |
| AC.AL.3D.036 | 3,6 | 20 | 52 | 4 | 175 |
| AC.AL.3D.037 | 3,7 | 20 | 52 | 4 | 180 |
| AC.AL.3D.038 | 3,8 | 22 | 55 | 4 | 180 |
| AC.AL.3D.039 | 3,9 | 22 | 55 | 4 | 180 |
| AC.AL.3D.040 | 4 | 22 | 55 | 4 | 180 |
| AC.AL.3D.041 | 4,1 | 22 | 55 | 4 | 195 |
| AC.AL.3D.042 | 4,2 | 22 | 55 | 4 | 195 |
| AC.AL.3D.043 | 4,3 | 24 | 58 | 4 | 199 |
| AC.AL.3D.044 | 4,4 | 24 | 58 | 4 | 199 |
| AC.AL.3D.045 | 4,5 | 24 | 58 | 5 | 199 |
| AC.AL.3D.046 | 4,6 | 24 | 58 | 5 | 199 |
| AC.AL.3D.048 | 4,8 | 26 | 62 | 5 | 200 |
| AC.AL.3D.049 | 4,9 | 26 | 62 | 5 | 200 |
| AC.AL.3D.050 | 5 | 26 | 62 | 5 | 200 |
| AC.AL.3D.051 | 5,1 | 26 | 62 | 5 | 229 |
| AC.AL.3D.052 | 5,2 | 26 | 62 | 5 | 229 |
| AC.AL.3D.053 | 5,3 | 26 | 62 | 5 | 229 |
| AC.AL.3D.054 | 5,4 | 28 | 66 | 5 | 309 |
| AC.AL.3D.055 | 5,5 | 28 | 66 | 6 | 309 |
| AC.AL.3D.056 | 5,6 | 28 | 66 | 6 | 309 |
| AC.AL.3D.057 | 5,7 | 28 | 66 | 6 | 309 |
| AC.AL.3D.058 | 5,8 | 28 | 66 | 6 | 309 |
| AC.AL.3D.060 | 6 | 28 | 66 | 6 | 309 |
| AC.AL.3D.061 | 6,1 | 31 | 70 | 6 | 315 |
| AC.AL.3D.062 | 6,2 | 31 | 70 | 6 | 315 |
| AC.AL.3D.063 | 6,3 | 31 | 70 | 6 | 315 |
| AC.AL.3D.064 | 6,4 | 31 | 70 | 6 | 315 |
| AC.AL.3D.065 | 6,5 | 31 | 70 | 7 | 449 |

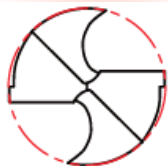
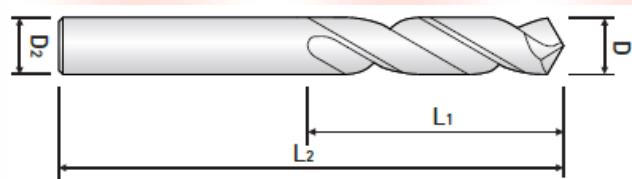
| Označení 3xD | Rozměry v mm | | | | CZK/ks bez DPH |
|--------------|--------------|----|-----|-----|----------------|
| | Průměr | L2 | L1 | d2 | |
| AC.AL.3D.066 | 6,6 | 31 | 70 | 6,6 | 449 |
| AC.AL.3D.067 | 6,7 | 31 | 70 | 6,7 | 449 |
| AC.AL.3D.068 | 6,8 | 34 | 74 | 6,8 | 459 |
| AC.AL.3D.070 | 7 | 34 | 74 | 7 | 459 |
| AC.AL.3D.071 | 7,1 | 34 | 74 | 7,1 | 509 |
| AC.AL.3D.072 | 7,2 | 34 | 74 | 7,2 | 509 |
| AC.AL.3D.074 | 7,4 | 34 | 74 | 7,4 | 509 |
| AC.AL.3D.075 | 7,5 | 34 | 74 | 7,5 | 509 |
| AC.AL.3D.078 | 7,8 | 37 | 79 | 7,8 | 525 |
| AC.AL.3D.079 | 7,9 | 37 | 79 | 7,9 | 525 |
| AC.AL.3D.080 | 8 | 37 | 79 | 8 | 525 |
| AC.AL.3D.081 | 8,1 | 37 | 79 | 8,1 | 580 |
| AC.AL.3D.082 | 8,2 | 37 | 79 | 8,2 | 580 |
| AC.AL.3D.084 | 8,4 | 37 | 79 | 8,4 | 580 |
| AC.AL.3D.085 | 8,5 | 37 | 79 | 8,5 | 580 |
| AC.AL.3D.086 | 8,6 | 40 | 84 | 8,6 | 599 |
| AC.AL.3D.087 | 8,7 | 40 | 84 | 8,7 | 599 |
| AC.AL.3D.090 | 9 | 40 | 84 | 9 | 599 |
| AC.AL.3D.091 | 9,1 | 40 | 84 | 9,1 | 665 |
| AC.AL.3D.092 | 9,2 | 40 | 84 | 9,2 | 665 |
| AC.AL.3D.093 | 9,3 | 40 | 84 | 9,3 | 665 |
| AC.AL.3D.095 | 9,5 | 40 | 84 | 9,5 | 665 |
| AC.AL.3D.098 | 9,8 | 43 | 89 | 9,8 | 685 |
| AC.AL.3D.099 | 9,9 | 43 | 89 | 9,9 | 685 |
| AC.AL.3D.100 | 10 | 43 | 89 | 10 | 685 |
| AC.AL.3D.101 | 10,1 | 43 | 89 | 10 | 799 |
| AC.AL.3D.102 | 10,2 | 43 | 89 | 10 | 799 |
| AC.AL.3D.104 | 10,4 | 43 | 89 | 10 | 799 |
| AC.AL.3D.105 | 10,5 | 43 | 89 | 11 | 799 |
| AC.AL.3D.108 | 10,8 | 47 | 95 | 11 | 835 |
| AC.AL.3D.110 | 11 | 47 | 95 | 11 | 835 |
| AC.AL.3D.115 | 11,5 | 47 | 95 | 12 | 995 |
| AC.AL.3D.120 | 12 | 51 | 102 | 12 | 995 |
| AC.AL.3D.121 | 12,1 | 51 | 102 | 12 | 1205 |
| AC.AL.3D.125 | 12,5 | 51 | 102 | 13 | 1205 |
| AC.AL.3D.130 | 13 | 51 | 102 | 13 | 1205 |
| AC.AL.3D.140 | 14 | 54 | 107 | 14 | 1382 |
| AC.AL.3D.150 | 15 | 56 | 111 | 15 | 1699 |
| AC.AL.3D.160 | 16 | 58 | 115 | 16 | 1919 |

| Označení 5xD | Rozměry v mm | | | | CZK/ks bez DPH |
|--------------|--------------|----|-----|-----|----------------|
| | Průměr | L2 | L1 | d2 | |
| AC.AL.5D.020 | 2 | 24 | 49 | 2 | 160 |
| AC.AL.5D.025 | 2,5 | 30 | 57 | 2,5 | 235 |
| AC.AL.5D.028 | 2,8 | 33 | 61 | 2,8 | 235 |
| AC.AL.5D.030 | 3 | 33 | 61 | 3 | 235 |
| AC.AL.5D.033 | 3,3 | 39 | 70 | 3,3 | 265 |
| AC.AL.5D.035 | 3,5 | 39 | 70 | 3,5 | 265 |
| AC.AL.5D.038 | 3,8 | 43 | 75 | 3,8 | 270 |
| AC.AL.5D.040 | 4 | 43 | 75 | 4 | 270 |
| AC.AL.5D.042 | 4,2 | 43 | 75 | 4,2 | 289 |
| AC.AL.5D.045 | 4,5 | 47 | 80 | 4,5 | 340 |
| AC.AL.5D.048 | 4,8 | 52 | 86 | 4,8 | 350 |
| AC.AL.5D.050 | 5 | 52 | 86 | 5 | 350 |
| AC.AL.5D.055 | 5,5 | 57 | 93 | 5,5 | 445 |
| AC.AL.5D.058 | 5,8 | 57 | 93 | 5,8 | 445 |
| AC.AL.5D.060 | 6 | 57 | 93 | 6 | 445 |
| AC.AL.5D.064 | 6,4 | 63 | 101 | 6,4 | 619 |
| AC.AL.5D.065 | 6,5 | 63 | 101 | 6,5 | 619 |
| AC.AL.5D.068 | 6,8 | 69 | 109 | 6,8 | 639 |
| AC.AL.5D.069 | 6,9 | 69 | 109 | 6,9 | 639 |

| Označení 5xD | Rozměry v mm | | | | CZK/ks bez DPH |
|--------------|--------------|-----|-----|------|----------------|
| | Průměr | L2 | L1 | d2 | |
| AC.AL.5D.070 | 7 | 69 | 109 | 7 | 639 |
| AC.AL.5D.075 | 7,5 | 69 | 109 | 7,5 | 729 |
| AC.AL.5D.078 | 7,8 | 75 | 117 | 7,8 | 759 |
| AC.AL.5D.080 | 8 | 75 | 117 | 8 | 759 |
| AC.AL.5D.082 | 8,2 | 75 | 117 | 8,2 | 859 |
| AC.AL.5D.085 | 8,5 | 75 | 117 | 8,5 | 859 |
| AC.AL.5D.088 | 8,8 | 81 | 125 | 8,8 | 859 |
| AC.AL.5D.090 | 9 | 81 | 125 | 9 | 895 |
| AC.AL.5D.095 | 9,5 | 81 | 125 | 9,5 | 1005 |
| AC.AL.5D.098 | 9,8 | 87 | 133 | 9,8 | 1089 |
| AC.AL.5D.100 | 10 | 87 | 133 | 10 | 1089 |
| AC.AL.5D.105 | 10,5 | 87 | 133 | 10,5 | 1289 |
| AC.AL.5D.110 | 11 | 94 | 142 | 11 | 1289 |
| AC.AL.5D.118 | 11,8 | 94 | 142 | 11,8 | 1635 |
| AC.AL.5D.125 | 12,5 | 101 | 151 | 12,5 | 2045 |
| AC.AL.5D.130 | 13 | 101 | 151 | 13 | 2045 |
| AC.AL.5D.135 | 13,5 | 108 | 160 | 13,5 | 2389 |
| AC.AL.5D.140 | 14 | 108 | 160 | 14 | 2649 |
| AC.AL.5D.145 | 14,5 | 114 | 169 | 14,5 | 3060 |
| AC.AL.5D.160 | 16 | 120 | 178 | 16 | 3720 |

TVRDOKOVOVÉ VRTÁKY 3XD BEZ VNITŘNÍHO CHLAZENÍ A NEPOVLAKOVANÉ

Tvrdokovové vrtáky pro vrtání běžných ocelí, hliníkových slitin, mosazi, bronzu a plastu. Výborná ostrost a pevnost, podporuje dobrý odvod špon. Vrták průměr tolerance **h8**, stopka tolerance **h6**



| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH | |
|----------|----------------|-----|----|-----|----------------------|-----|
| | Průměr | L1 | L2 | D2 | | |
| SSD010 | 1.0 | 10 | 38 | 1.0 | 120 | |
| SSD011 | 1.1 | | | 1.1 | | |
| SSD012 | 1.2 | | | 1.2 | | |
| SSD013 | 1.3 | | | 1.3 | | |
| SSD014 | 1.4 | | | 1.4 | | |
| SSD015 | 1.5 | 13 | 38 | 1.5 | 120 | |
| SSD016 | 1.6 | | | 1.6 | | |
| SSD017 | 1.7 | | | 1.7 | | |
| SSD018 | 1.8 | | | 1.8 | | |
| SSD019 | 1.9 | | | 1.9 | | |
| SSD020 | 2.0 | 16 | 45 | 2.0 | 120 | |
| SSD021 | 2.1 | | | 2.1 | | |
| SSD022 | 2.2 | | | 2.2 | | |
| SSD023 | 2.3 | | | 2.3 | | |
| SSD024 | 2.4 | | | 2.4 | | |
| SSD025 | 2.5 | 20 | 50 | 2.5 | 120 | |
| SSD026 | 2.6 | | | 2.6 | | |
| SSD027 | 2.7 | 22 | 50 | 2.7 | 120 | |
| SSD028 | 2.8 | | | 2.8 | | |
| SSD029 | 2.9 | | | 2.9 | | |
| SSD030 | 3.0 | | | 3.0 | | 129 |
| SSD031 | 3.1 | | | 25 | | 50 |
| SSD032 | 3.2 | 3.2 | | | | |
| SSD033 | 3.3 | 3.3 | | | | |
| SSD034 | 3.4 | 3.4 | | | | |
| SSD035 | 3.5 | 3.5 | | | | |
| SSD036 | 3.6 | 28 | 55 | 3.6 | 145 | |
| SSD037 | 3.7 | | | 3.7 | | |
| SSD038 | 3.8 | | | 3.8 | | |
| SSD039 | 3.9 | | | 3.9 | | |
| SSD040 | 4.0 | | | 4.0 | | |
| SSD041 | 4.1 | 30 | 60 | 4.1 | 175 | |
| SSD042 | 4.2 | | | 4.2 | | |
| SSD043 | 4.3 | | | 4.3 | | |
| SSD044 | 4.4 | | | 4.4 | | |
| SSD045 | 4.5 | | | 4.5 | | 195 |

| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH | |
|----------|----------------|-----|-----|-----|----------------------|-----|
| | Průměr | L1 | L2 | D2 | | |
| SSD046 | 4.6 | 33 | 65 | 4.6 | 219 | |
| SSD047 | 4.7 | | | 4.7 | | |
| SSD048 | 4.8 | 35 | 65 | 4.8 | 219 | |
| SSD049 | 4.9 | | | 4.9 | | |
| SSD050 | 5.0 | | | 5.0 | | 235 |
| SSD051 | 5.1 | | | 5.1 | | 255 |
| SSD052 | 5.2 | | | 5.2 | | |
| SSD053 | 5.3 | 5.3 | | | | |
| SSD054 | 5.4 | 5.4 | 275 | | | |
| SSD055 | 5.5 | 5.5 | | | | |
| SSD056 | 5.6 | 38 | 75 | 5.6 | 295 | |
| SSD057 | 5.7 | | | 5.7 | | |
| SSD058 | 5.8 | | | 5.8 | | |
| SSD059 | 5.9 | | | 5.9 | | |
| SSD060 | 6.0 | | | 6.0 | | |
| SSD061 | 6.1 | 38 | 75 | 6.1 | 295 | |
| SSD062 | 6.2 | | | 6.2 | | |
| SSD063 | 6.3 | 45 | 80 | 6.3 | 375 | |
| SSD064 | 6.4 | | | 6.4 | | |
| SSD065 | 6.5 | | | 6.5 | | |
| SSD066 | 6.6 | | | 6.6 | | |
| SSD067 | 6.7 | | | 6.7 | | |
| SSD068 | 6.8 | 45 | 80 | 6.8 | 375 | |
| SSD069 | 6.9 | | | 6.9 | | |
| SSD070 | 7.0 | 45 | 80 | 7.0 | 419 | |
| SSD071 | 7.1 | | | 7.1 | | |
| SSD072 | 7.2 | | | 7.2 | | |
| SSD073 | 7.3 | | | 7.3 | | |
| SSD074 | 7.4 | | | 7.4 | | |
| SSD075 | 7.5 | 50 | 85 | 7.5 | 455 | |
| SSD076 | 7.6 | | | 7.6 | | |
| SSD077 | 7.7 | | | 7.7 | | |
| SSD078 | 7.8 | | | 7.8 | | |
| SSD079 | 7.9 | | | 7.9 | | |
| SSD080 | 8.0 | 50 | 85 | 8.0 | 499 | |
| SSD081 | 8.1 | | | 8.1 | | |
| SSD082 | 8.2 | | | 8.2 | | |
| SSD083 | 8.3 | | | 8.3 | | |
| SSD084 | 8.4 | | | 8.4 | | |
| SSD085 | 8.5 | 8.5 | | | | |

| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH | | | |
|----------|----------------|----|-----|------|----------------------|-----|------|-----|
| | Průměr | L1 | L2 | D2 | | | | |
| SSD086 | 8.6 | 50 | 95 | 8.6 | 539 | | | |
| SSD087 | 8.7 | | | 8.7 | | | | |
| SSD088 | 8.8 | | | 8.8 | | | | |
| SSD089 | 8.9 | | | 8.9 | | | | |
| SSD090 | 9.0 | | | 9.0 | | | | |
| SSD091 | 9.1 | 55 | 100 | 9.1 | 580 | | | |
| SSD092 | 9.2 | | | 9.2 | | | | |
| SSD093 | 9.3 | | | 9.3 | | | | |
| SSD094 | 9.4 | | | 9.4 | | | | |
| SSD095 | 9.5 | | | 9.5 | | | | |
| SSD096 | 9.6 | 55 | 100 | 9.6 | 620 | | | |
| SSD097 | 9.7 | | | 9.7 | | | | |
| SSD098 | 9.8 | 55 | 115 | 9.8 | 670 | | | |
| SSD099 | 9.9 | | | 9.9 | | | | |
| SSD100 | 10.0 | | | 10.0 | | | | |
| SSD101 | 10.1 | 55 | 115 | 10.1 | 670 | | | |
| SSD102 | 10.2 | | | 10.2 | | | | |
| SSD103 | 10.3 | 55 | 115 | 10.3 | 855 | | | |
| SSD104 | 10.4 | | | 10.4 | | | | |
| SSD105 | 10.5 | | | 10.5 | | | | |
| SSD106 | 10.6 | | | 60 | | 115 | 10.6 | 855 |
| SSD107 | 10.7 | | | | | | 10.7 | |
| SSD108 | 10.8 | 60 | 115 | 10.8 | 949 | | | |
| SSD109 | 10.9 | | | 10.9 | | | | |
| SSD110 | 11.0 | | | 11.0 | | | | |
| SSD111 | 11.1 | 65 | 120 | 11.1 | 960 | | | |
| SSD112 | 11.2 | | | 11.2 | | | | |
| SSD113 | 11.3 | | | 11.3 | | | | |
| SSD115 | 11.5 | | | 11.5 | | | | |
| SSD118 | 11.8 | | | 11.8 | | | | |
| SSD119 | 11.9 | 65 | 120 | 11.9 | 1275 | | | |
| SSD120 | 12.0 | | | 12.0 | | | | |
| SSD124 | 12.4 | 70 | 125 | 12.4 | 1419 | | | |
| SSD125 | 12.5 | | | 12.5 | | | | |
| SSD130 | 13.0 | 75 | 130 | 13.0 | 1570 | | | |

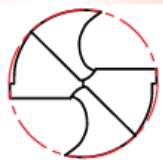
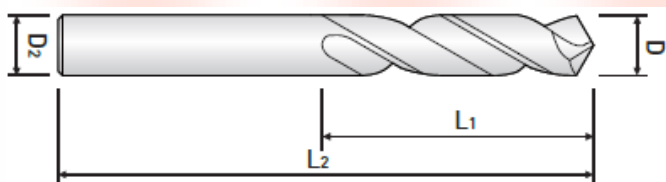
■ Tolerance

µm = 1/1000mm

| Tolerance \ Dia. | from 1 to 3 | over 3 to 6 | over 6 to 10 | over 10 to 18 |
|------------------|-------------|-------------|--------------|---------------|
| Cutting Edge(h8) | 0 -14 | 0 -18 | 0 -22 | 0 -27 |
| Shank(h6) | 0 -10 | 0 -12 | 0 -15 | 0 -18 |

TVRDOKOVOVÉ VRTÁKY 5XD BEZ VNITŘNÍHO CHLAZENÍ A NEPOVLAKOVANÉ

Tvrdokovové vrtáky pro vrtání běžných ocelí, hliníkových slitin, mosazi, bronzu a plastu. Výborná ostrost a pevnost, podporuje dobrý odvod špon. Vrták průměr tolerance **h8**, stopka tolerance **h6**



| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH |
|----------|----------------|----|-----|-----|----------------------|
| | Průměr | L1 | L2 | D2 | |
| SSDL030 | 3.0 | 42 | 73 | 3.0 | 245 |
| SSDL031 | 3.1 | | | | |
| SSDL032 | 3.2 | | | | |
| SSDL033 | 3.3 | | | | |
| SSDL034 | 3.4 | | | | |
| SSDL035 | 3.5 | | | | |
| SSDL036 | 3.6 | 45 | 80 | 3.6 | 245 |
| SSDL037 | 3.7 | | | | |
| SSDL038 | 3.8 | | | | |
| SSDL039 | 3.9 | 50 | 80 | 3.9 | 245 |
| SSDL040 | 4.0 | | | | |
| SSDL041 | 4.1 | 54 | 85 | 4.1 | 270 |
| SSDL042 | 4.2 | | | | |
| SSDL043 | 4.3 | | | | |
| SSDL044 | 4.4 | | | | |
| SSDL045 | 4.5 | | | | |
| SSDL046 | 4.6 | | | | |
| SSDL047 | 4.7 | 59 | 90 | 4.7 | 305 |
| SSDL048 | 4.8 | | | | |
| SSDL049 | 4.9 | | | | |
| SSDL050 | 5.0 | | | | |
| SSDL051 | 5.1 | | | | |
| SSDL052 | 5.2 | | | | |
| SSDL053 | 5.3 | 63 | 95 | 5.3 | 350 |
| SSDL054 | 5.4 | | | | |
| SSDL055 | 5.5 | | | | |
| SSDL056 | 5.6 | | | | |
| SSDL057 | 5.7 | 66 | 100 | 5.7 | 365 |
| SSDL058 | 5.8 | | | | |
| SSDL059 | 5.9 | | | | |
| SSDL060 | 6.0 | | | | |
| SSDL061 | 6.1 | 70 | 105 | 6.1 | 449 |
| SSDL062 | 6.2 | | | | |
| SSDL063 | 6.3 | | | | |
| SSDL064 | 6.4 | | | | |
| SSDL065 | 6.5 | | | | |

| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH |
|----------|----------------|----|-----|-----|----------------------|
| | Průměr | L1 | L2 | D2 | |
| SSDL066 | 6.6 | 73 | 105 | 6.6 | 499 |
| SSDL067 | 6.7 | | | | |
| SSDL068 | 6.8 | | | | |
| SSDL069 | 6.9 | | | | |
| SSDL070 | 7.0 | | | | |
| SSDL071 | 7.1 | | | | |
| SSDL072 | 7.2 | 76 | 110 | 7.2 | 549 |
| SSDL073 | 7.3 | | | | |
| SSDL074 | 7.4 | | | | |
| SSDL075 | 7.5 | | | | |
| SSDL076 | 7.6 | | | | |
| SSDL077 | 7.7 | 80 | 115 | 7.7 | 580 |
| SSDL078 | 7.8 | | | | |
| SSDL079 | 7.9 | | | | |
| SSDL080 | 8.0 | | | | |
| SSDL081 | 8.1 | | | | |
| SSDL082 | 8.2 | | | | |
| SSDL083 | 8.3 | 85 | 125 | 8.3 | 655 |
| SSDL084 | 8.4 | | | | |
| SSDL085 | 8.5 | | | | |
| SSDL086 | 8.6 | | | | |
| SSDL087 | 8.7 | | | | |
| SSDL088 | 8.8 | | | | |
| SSDL089 | 8.9 | | | | |
| SSDL090 | 9.0 | | | | |
| SSDL091 | 9.1 | 88 | 130 | 9.1 | 715 |
| SSDL092 | 9.2 | | | | |
| SSDL093 | 9.3 | | | | |
| SSDL094 | 9.4 | | | | |
| SSDL095 | 9.5 | | | | |
| SSDL096 | 9.6 | 90 | 130 | 9.6 | 765 |
| SSDL097 | 9.7 | | | | |
| SSDL098 | 9.8 | | | | |
| SSDL099 | 9.9 | | | | |
| SSDL100 | 10.0 | | | | |

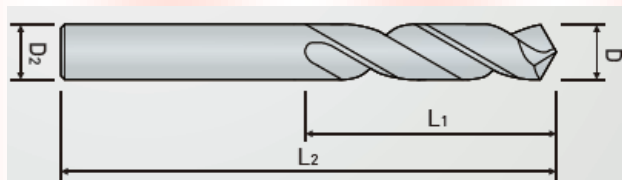
■ Tolerance

μm = 1/1000mm

| Tolerance | Dia. | from 1 to 3 | over 3 to 6 | over 6 to 10 | over 10 to 18 |
|------------------|------|-------------|-------------|--------------|---------------|
| Cutting Edge(h8) | | 0 -14 | 0 -18 | 0 -22 | 0 -27 |
| Shank(h6) | | 0 -10 | 0 -12 | 0 -15 | 0 -18 |

TVRDOKOVOVÉ VRTÁKY 3XD BEZ VNITŘNÍHO CHLAZENÍ POVLAKOVANÉ

Nové inovované tvrdokovové vrtáky s povlakem TiN pro vrtání běžných ocelí, hliníkových slitin, mosazi, bronzu a plastu. Výborná ostrost a pevnost, podporuje dobrý odvod špon. Vrták průměr tolerance **h8**, stopka tolerance **h6**



| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH |
|----------|----------------|----|----|------|----------------------|
| | Průměr | L1 | L2 | D2 | |
| SSTD005 | 0.5 | 6 | 22 | 0.5 | 255 |
| SSTD0055 | 0.55 | 7 | 24 | 0.55 | 245 |
| SSTD006 | 0.6 | | | 0.6 | 245 |
| SSTD0065 | 0.65 | 8 | 26 | 0.65 | 220 |
| SSTD007 | 0.7 | 9 | 28 | 0.7 | 210 |
| SSTD0075 | 0.75 | | | 0.75 | 199 |
| SSTD008 | 0.8 | 10 | 30 | 0.8 | 189 |
| SSTD0085 | 0.85 | | | 0.85 | 179 |
| SSTD009 | 0.9 | 11 | 32 | 0.9 | 169 |
| SSTD0095 | 0.95 | | | 0.95 | 155 |
| SSTD010 | 1 | 10 | 38 | 1 | 115 |
| SSTD011 | 1.1 | | | 1.1 | |
| SSTD012 | 1.2 | | | 1.2 | |
| SSTD013 | 1.3 | | | 1.3 | |
| SSTD014 | 1.4 | | | 1.4 | |
| SSTD015 | 1.5 | 13 | 38 | 1.5 | 115 |
| SSTD016 | 1.6 | | | 1.6 | |
| SSTD017 | 1.7 | | | 1.7 | |
| SSTD018 | 1.8 | | | 1.8 | |
| SSTD019 | 1.9 | | | 1.9 | |
| SSTD020 | 2 | 16 | 45 | 2 | 115 |
| SSTD021 | 2.1 | | | 2.1 | |
| SSTD022 | 2.2 | | | 2.2 | |
| SSTD023 | 2.3 | | | 2.3 | |
| SSTD024 | 2.4 | 18 | 50 | 2.4 | 115 |
| SSTD025 | 2.5 | 20 | 50 | 2.5 | 115 |
| SSTD026 | 2.6 | | | 2.6 | |
| SSTD027 | 2.7 | 22 | 50 | 2.7 | 115 |
| SSTD028 | 2.8 | | | 2.8 | |
| SSTD029 | 2.9 | | | 2.9 | |
| SSTD030 | 3 | | | 3 | |
| SSTD031 | 3.1 | 25 | 50 | 3.1 | 120 |
| SSTD032 | 3.2 | | | 3.2 | |
| SSTD033 | 3.3 | | | 3.3 | |
| SSTD034 | 3.4 | | | 3.4 | |
| SSTD035 | 3.5 | | | 3.5 | |
| SSTD036 | 3.6 | 28 | 55 | 3.6 | 135 |
| SSTD037 | 3.7 | | | 3.7 | |
| SSTD038 | 3.8 | | | 3.8 | |
| SSTD039 | 3.9 | | | 3.9 | |
| SSTD040 | 4 | | | 4 | |

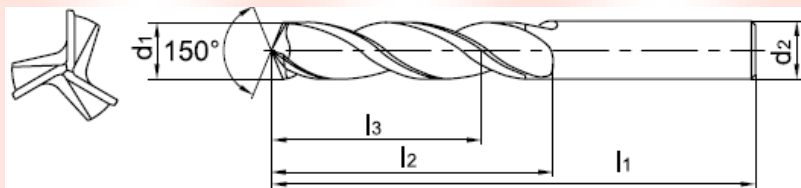
| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH | |
|----------|----------------|-----|-----|-----|----------------------|-----|
| | Průměr | L1 | L2 | D2 | | |
| SSTD041 | 4.1 | 30 | 60 | 4.1 | 165 | |
| SSTD042 | 4.2 | | | 4.2 | | |
| SSTD043 | 4.3 | | | 4.3 | | |
| SSTD044 | 4.4 | | | 4.4 | | |
| SSTD045 | 4.5 | | | 4.5 | | 185 |
| SSTD046 | 4.6 | 33 | 65 | 4.6 | 205 | |
| SSTD047 | 4.7 | | | 4.7 | | |
| SSTD048 | 4.8 | 35 | 65 | 4.8 | 205 | |
| SSTD049 | 4.9 | | | 4.9 | | |
| SSTD050 | 5 | | | 5 | | 219 |
| SSTD051 | 5.1 | | | 5.1 | | 235 |
| SSTD052 | 5.2 | | | 5.2 | | |
| SSTD053 | 5.3 | 5.3 | 279 | | | |
| SSTD054 | 5.4 | 5.4 | | | | |
| SSTD055 | 5.5 | 5.5 | | 255 | | |
| SSTD056 | 5.6 | 38 | | 75 | 5.6 | 279 |
| SSTD057 | 5.7 | | | | 5.7 | |
| SSTD058 | 5.8 | | 5.8 | | | |
| SSTD059 | 5.9 | | 5.9 | | | |
| SSTD060 | 6 | | 6 | | | |
| SSTD061 | 6.1 | 38 | 75 | 6.1 | 315 | |
| SSTD062 | 6.2 | | | 6.2 | | |
| SSTD063 | 6.3 | | | 6.3 | | |
| SSTD064 | 6.4 | | | 6.4 | | |
| SSTD065 | 6.5 | 45 | 80 | 6.5 | 320 | |
| SSTD066 | 6.6 | | | 6.6 | | 350 |
| SSTD067 | 6.7 | | | 6.7 | | |
| SSTD068 | 6.8 | | | 6.8 | | |
| SSTD069 | 6.9 | | | 6.9 | | |
| SSTD070 | 7 | 45 | 80 | 7 | 390 | |
| SSTD071 | 7.1 | | | 7.1 | | |
| SSTD072 | 7.2 | | | 7.2 | | |
| SSTD073 | 7.3 | | | 7.3 | | |
| SSTD074 | 7.4 | | | 7.4 | | |
| SSTD075 | 7.5 | 50 | 85 | 7.5 | 425 | |
| SSTD076 | 7.6 | | | 7.6 | | |
| SSTD077 | 7.7 | | | 7.7 | | |
| SSTD078 | 7.8 | | | 7.8 | | |
| SSTD079 | 7.9 | | | 7.9 | | |
| SSTD080 | 8 | 8 | | | | |

| Označení | Rozměry (v mm) | | | | CZK/ks bez DPH |
|----------|----------------|----|-----|------|----------------------|
| | Průměr | L1 | L2 | D2 | |
| SSTD081 | 8.1 | 50 | 85 | 8.1 | 465 |
| SSTD082 | 8.2 | | | 8.2 | |
| SSTD083 | 8.3 | | | 8.3 | |
| SSTD084 | 8.4 | | | 8.4 | |
| SSTD085 | 8.5 | | | 8.5 | |
| SSTD086 | 8.6 | 50 | 95 | 8.6 | 505 |
| SSTD087 | 8.7 | | | 8.7 | |
| SSTD088 | 8.8 | | | 8.8 | |
| SSTD089 | 8.9 | | | 8.9 | |
| SSTD090 | 9 | | | 9 | |
| SSTD091 | 9.1 | 50 | 95 | 9.1 | 545 |
| SSTD092 | 9.2 | | | 9.2 | |
| SSTD093 | 9.3 | | | 9.3 | |
| SSTD094 | 9.4 | | | 9.4 | |
| SSTD095 | 9.5 | | | 9.5 | |
| SSTD096 | 9.6 | 55 | 100 | 9.6 | 580 |
| SSTD097 | 9.7 | | | 9.7 | |
| SSTD098 | 9.8 | | | 9.8 | |
| SSTD099 | 9.9 | | | 9.9 | |
| SSTD100 | 10 | | | 10 | |
| SSTD101 | 10.1 | 55 | 115 | 10.1 | 799 |
| SSTD102 | 10.2 | | | 10.2 | |
| SSTD103 | 10.3 | | | 10.3 | |
| SSTD104 | 10.4 | | | 10.4 | |
| SSTD105 | 10.5 | | | 10.5 | |
| SSTD106 | 10.6 | 60 | 115 | 10.6 | 799 |
| SSTD107 | 10.7 | | | 10.7 | |
| SSTD108 | 10.8 | | | 10.8 | |
| SSTD109 | 10.9 | | | 10.9 | |
| SSTD110 | 11 | | | 11 | |
| SSTD111 | 11.1 | 65 | 120 | 11.1 | 840 |
| SSTD112 | 11.2 | | | 11.2 | |
| SSTD113 | 11.3 | | | 11.3 | |
| SSTD115 | 11.5 | | | 11.5 | |
| SSTD118 | 11.8 | | | 11.8 | |
| SSTD119 | 11.9 | 70 | 125 | 11.9 | 1115 |
| SSTD120 | 12 | | | 12 | |
| SSTD124 | 12.4 | | | 12.4 | |
| SSTD125 | 12.5 | | | 12.5 | |
| SSTD130 | 13 | | | 75 | |

| Tolerance | | $\mu\text{m} = 1/1000\text{mm}$ | | | |
|------------------|------|---------------------------------|-------------|--------------|---------------|
| Tolerance | Dia. | from 1 to 3 | over 3 to 6 | over 6 to 10 | over 10 to 18 |
| Cutting Edge(h8) | | 0 -14 | 0 -18 | 0 -22 | 0 -27 |
| Shank(h6) | | 0 -10 | 0 -12 | 0 -15 | 0 -18 |

3 BŘITÉ VRTÁKY NA HLINÍKOVÉ SLITINY A LITINU BEZ VNITŘNÍHO CHLAZENÍ 3xD - S POVLAKEM NEBO BEZ POVLAKU!

Tvrdokovové vrtáky pro vrtání litiny a hliníkové slitiny. Vrták průměr tolerance h7, stopka tolerance h7



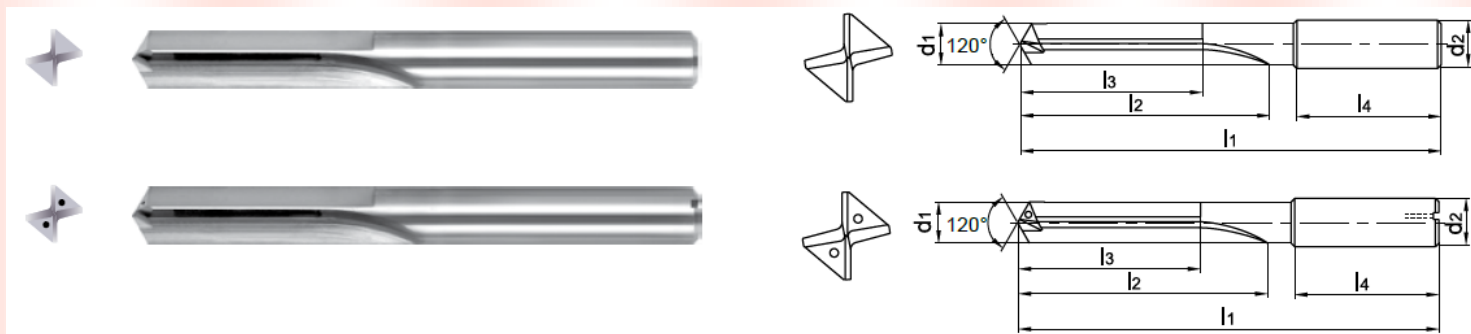
| Označení | Rozměry (mm) | | | | | CZK/ks bez DPH s povlakem | CZK/ks bez DPH bez povlaku |
|--------------|--------------|----|----|----|-----|---------------------------|----------------------------|
| | D1 | L3 | L2 | L1 | D2 | | |
| AC.3D.PA.030 | 3 | 12 | 16 | 46 | 3 | 309 | 255 |
| AC.3D.PA.031 | 3,1 | 14 | 18 | 49 | 3,1 | X | 275 |
| AC.3D.PA.032 | 3,2 | 14 | 18 | 49 | 3,2 | 325 | 275 |
| AC.3D.PA.033 | 3,3 | 14 | 18 | 49 | 3,3 | 325 | X |
| AC.3D.PA.034 | 3,4 | 15 | 20 | 52 | 3,4 | 329 | 275 |
| AC.3D.PA.035 | 3,5 | 15 | 20 | 52 | 3,5 | 329 | X |
| AC.3D.PA.038 | 3,8 | 17 | 22 | 55 | 3,8 | 330 | X |
| AC.3D.PA.039 | 3,9 | 17 | 22 | 55 | 3,9 | X | 280 |
| AC.3D.PA.040 | 4 | 17 | 22 | 55 | 4 | 330 | 280 |
| AC.3D.PA.041 | 4,1 | 17 | 22 | 55 | 4,1 | 345 | 299 |
| AC.3D.PA.042 | 4,2 | 17 | 22 | 55 | 4,2 | 345 | 299 |
| AC.3D.PA.043 | 4,3 | 18 | 24 | 58 | 4,3 | 345 | 299 |
| AC.3D.PA.044 | 4,4 | 18 | 24 | 58 | 4,4 | X | 299 |
| AC.3D.PA.045 | 4,5 | 18 | 24 | 58 | 4,5 | 345 | 299 |
| AC.3D.PA.046 | 4,6 | 18 | 24 | 58 | 4,6 | X | 299 |
| AC.3D.PA.047 | 4,7 | 18 | 24 | 58 | 4,7 | 345 | 305 |
| AC.3D.PA.048 | 4,8 | 20 | 26 | 62 | 4,8 | X | 305 |
| AC.3D.PA.049 | 4,9 | 20 | 26 | 62 | 4,9 | X | 305 |
| AC.3D.PA.050 | 5 | 20 | 26 | 62 | 5 | 350 | 305 |
| AC.3D.PA.051 | 5,1 | 20 | 26 | 62 | 5,1 | 379 | 335 |
| AC.3D.PA.052 | 5,2 | 20 | 26 | 62 | 5,2 | 379 | 335 |
| AC.3D.PA.053 | 5,3 | 20 | 26 | 62 | 5,3 | 379 | X |
| AC.3D.PA.054 | 5,4 | 21 | 28 | 66 | 5,4 | X | 339 |
| AC.3D.PA.055 | 5,5 | 21 | 28 | 66 | 5,5 | 385 | 339 |
| AC.3D.PA.056 | 5,6 | 21 | 28 | 66 | 5,6 | X | 385 |
| AC.3D.PA.057 | 5,7 | 21 | 28 | 66 | 5,7 | 385 | 385 |
| AC.3D.PA.058 | 5,8 | 21 | 28 | 66 | 5,8 | 385 | X |
| AC.3D.PA.059 | 5,9 | 21 | 28 | 66 | 5,9 | X | 339 |
| AC.3D.PA.060 | 6 | 21 | 28 | 66 | 6 | 480 | 415 |
| AC.3D.PA.061 | 6,1 | 23 | 31 | 70 | 6,1 | X | 425 |
| AC.3D.PA.062 | 6,2 | 23 | 31 | 70 | 6,2 | X | 425 |
| AC.3D.PA.064 | 6,4 | 23 | 31 | 70 | 6,4 | 490 | 425 |
| AC.3D.PA.065 | 6,5 | 23 | 31 | 70 | 6,5 | 490 | 425 |
| AC.3D.PA.066 | 6,6 | 23 | 31 | 70 | 6,6 | 490 | 425 |
| AC.3D.PA.067 | 6,7 | 23 | 31 | 70 | 6,7 | 490 | 425 |
| AC.3D.PA.068 | 6,8 | 25 | 34 | 74 | 6,8 | 499 | 435 |
| AC.3D.PA.069 | 6,9 | 25 | 34 | 74 | 6,9 | X | 435 |

| Označení | Rozměry (mm) | | | | | CZK/ks bez DPH s povlakem | CZK/ks bez DPH bez povlaku |
|---------------|--------------|----|----|-----|------|---------------------------|----------------------------|
| | D1 | L3 | L2 | L1 | D2 | | |
| AC.3D.PA.070 | 7 | 25 | 34 | 74 | 7 | 499 | 435 |
| AC.3D.PA.071 | 7,1 | 25 | 34 | 74 | 7,1 | X | 495 |
| AC.3D.PA.072 | 7,2 | 25 | 34 | 74 | 7,2 | X | 495 |
| AC.3D.PA.073 | 7,3 | 25 | 34 | 74 | 7,3 | X | 495 |
| AC.3D.PA.074 | 7,4 | 25 | 34 | 74 | 7,4 | 545 | 495 |
| AC.3D.PA.075 | 7,5 | 25 | 34 | 74 | 7,5 | 545 | 495 |
| AC.3D.PA.076 | 7,6 | 27 | 37 | 79 | 7,6 | X | 495 |
| AC.3D.PA.078 | 7,8 | 27 | 37 | 79 | 7,8 | X | 495 |
| AC.3D.PA.079 | 7,9 | 27 | 37 | 79 | 7,9 | X | 495 |
| AC.3D.PA.080 | 8 | 27 | 37 | 79 | 8 | 570 | 495 |
| AC.3D.PA.081 | 8,1 | 27 | 37 | 79 | 8,1 | 645 | 550 |
| AC.3D.PA.082 | 8,2 | 27 | 37 | 79 | 8,2 | X | 550 |
| AC.3D.PA.0825 | 8,25 | 27 | 37 | 79 | 8,5 | 645 | X |
| AC.3D.PA.085 | 8,5 | 27 | 37 | 79 | 8,5 | 645 | 550 |
| AC.3D.PA.086 | 8,6 | 29 | 40 | 84 | 8,6 | X | 570 |
| AC.3D.PA.087 | 8,7 | 29 | 40 | 84 | 8,7 | 659 | X |
| AC.3D.PA.088 | 8,8 | 29 | 40 | 84 | 8,8 | 659 | X |
| AC.3D.PA.090 | 9 | 29 | 40 | 84 | 9 | 659 | 570 |
| AC.3D.PA.095 | 9,5 | 29 | 40 | 84 | 9,5 | 715 | X |
| AC.3D.PA.098 | 9,8 | 31 | 43 | 89 | 9,8 | 739 | X |
| AC.3D.PA.099 | 9,9 | 31 | 43 | 89 | 9,9 | X | 650 |
| AC.3D.PA.100 | 10 | 31 | 43 | 89 | 10 | 739 | 650 |
| AC.3D.PA.102 | 10,2 | 31 | 43 | 89 | 10,2 | 849 | X |
| AC.3D.PA.103 | 10,3 | 31 | 43 | 89 | 10,3 | 849 | X |
| AC.3D.PA.105 | 10,5 | 31 | 43 | 89 | 10,5 | 849 | X |
| AC.3D.PA.110 | 11 | 33 | 47 | 95 | 11 | 885 | 789 |
| AC.3D.PA.115 | 11,5 | 33 | 47 | 95 | 11,5 | 979 | 939 |
| AC.3D.PA.120 | 12 | 35 | 51 | 102 | 12 | 1025 | 939 |
| AC.3D.PA.125 | 12,5 | 35 | 51 | 102 | 12,5 | 1345 | 1195 |
| AC.3D.PA.130 | 13 | 35 | 51 | 102 | 13 | X | 1270 |
| AC.3D.PA.135 | 13,5 | 37 | 54 | 107 | 13,5 | 1620 | X |
| AC.3D.PA.140 | 14 | 37 | 54 | 107 | 14 | 1620 | X |
| AC.3D.PA.145 | 14,5 | 38 | 56 | 111 | 14,5 | 1885 | X |
| AC.3D.PA.150 | 15 | 38 | 56 | 111 | 15 | 1885 | X |
| AC.3D.PA.160 | 16 | 38 | 58 | 115 | 16 | 2505 | X |
| AC.3D.PA.170 | 17 | 39 | 60 | 119 | 17 | X | 2595 |
| AC.3D.PA.180 | 18 | 40 | 62 | 123 | 18 | 3305 | 2895 |
| AC.3D.PA.200 | 20 | 42 | 66 | 131 | 20 | 3760 | X |

!!! VOLBU S POVLAKEM ČI BEZ POVLAKU SPECIFIKUJTE PŘI OBJEDNÁNÍ !!!

PŘESNÉ VRTÁKY S ROVNOU ŠROUBOVICÍ NA HLINÍKOVÉ SLITINY A LITINU PRO MATERIÁL S KRÁTKOU TRÍSKOU 5xD a 15xD - S CHLAZENÍM I BEZ CHLAZENÍ

Výborná středící schopnost, může dosáhnout přesnosti díry h7, výborný povrch.
Vrták průměr tolerance m7, stopka tolerance h6.



| Označení 5xD bez chlazení | Rozměry (mm) | | | | | CZK/ks bez DPH |
|----------------------------------|--------------|----|----|-----|----|-------------------|
| | D1 | L3 | L2 | L1 | D2 | |
| AC.5D.PC.040 | 4 | 29 | 36 | 74 | 6 | 445 |
| AC.5D.PC.050 | 5 | 35 | 44 | 82 | 6 | 470 |
| AC.5D.PC.060 | 6 | 35 | 44 | 82 | 6 | 470 |
| AC.5D.PC.0675 | 6,75 | 43 | 53 | 91 | 8 | 470 |
| AC.5D.PC.080 | 8 | 43 | 53 | 91 | 8 | 729 |
| AC.5D.PC.085 | 8,5 | 49 | 61 | 103 | 10 | 729 |
| AC.5D.PC.100 | 10 | 49 | 61 | 103 | 10 | 909 |
| AC.5D.PC.160 | 16 | 63 | 83 | 133 | 16 | 2669 |

| Označení 5xD s chlazením | Rozměry (mm) | | | | | CZK/ks bez DPH |
|---------------------------------|--------------|----|-----|-----|----|-------------------|
| | D1 | L3 | L2 | L1 | D2 | |
| AC.5D.PC.040 IK | 4 | 29 | 36 | 74 | 6 | 890 |
| AC.5D.PC.042 IK | 4,2 | 29 | 36 | 74 | 6 | 890 |
| AC.5D.PC.050 IK | 5 | 35 | 44 | 82 | 6 | 920 |
| AC.5D.PC.060 IK | 6 | 35 | 44 | 82 | 6 | 920 |
| AC.5D.PC.0675 IK | 6,75 | 43 | 53 | 91 | 8 | 1255 |
| AC.5D.PC.080 IK | 8 | 43 | 53 | 91 | 8 | 1255 |
| AC.5D.PC.085 IK | 8,5 | 49 | 61 | 103 | 10 | 1585 |
| AC.5D.PC.090 IK | 9 | 49 | 61 | 103 | 10 | 1585 |
| AC.5D.PC.100 IK | 10 | 49 | 61 | 103 | 10 | 1585 |
| AC.5D.PC.1025 IK | 10,25 | 56 | 71 | 118 | 12 | 2199 |
| AC.5D.PC.110 IK | 11 | 56 | 71 | 118 | 12 | 2199 |
| AC.5D.PC.120 IK | 12 | 56 | 71 | 118 | 12 | 2199 |
| AC.5D.PC.125 IK | 12,5 | 60 | 77 | 124 | 14 | 3009 |
| AC.5D.PC.130 IK | 13 | 60 | 77 | 124 | 14 | 3009 |
| AC.5D.PC.140 IK | 14 | 60 | 77 | 124 | 14 | 3009 |
| AC.5D.PC.180 IK | 18 | 71 | 93 | 143 | 18 | 4950 |
| AC.5D.PC.200 IK | 20 | 77 | 101 | 153 | 20 | 6355 |

| Označení 15xD s chlazením | Rozměry (mm) | | | | | CZK/ks bez DPH |
|----------------------------------|--------------|-----|-----|-----|----|-------------------|
| | D1 | L3 | L2 | L1 | D2 | |
| AC.15D.050 IK | 5 | 96 | 105 | 145 | 6 | 2090 |
| AC.15D.060 IK | 6 | 96 | 105 | 145 | 6 | 2090 |
| AC.15D.080 IK | 8 | 127 | 137 | 180 | 8 | 2939 |
| AC.15D.090 IK | 9 | 158 | 170 | 217 | 10 | 4320 |
| AC.15D.100 IK | 10 | 158 | 170 | 217 | 10 | 4320 |
| AC.15D.110 IK | 11 | 190 | 205 | 258 | 12 | 6055 |
| AC.15D.120 IK | 12 | 190 | 205 | 258 | 12 | 6055 |
| AC.15D.140 IK | 14 | 219 | 236 | 290 | 14 | 7530 |

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