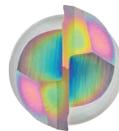


|           |                    |  |  |  |
|-----------|--------------------|--|--|--|
| Cooling   |                    |  |  |  |
| Tolerance | d04                |  |  |  |
| Coating   | AlphaSlide Rainbow |  |  |  |

|             |  |
|-------------|--|
| Strategy    |  |
| Application |  |
| Features    |  |

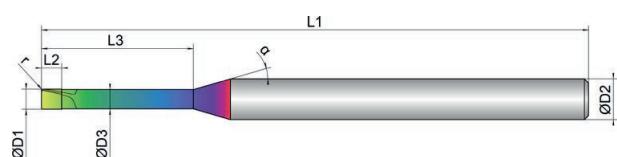


- Optimized face geometry for excellent surfaces and highest dimensional accuracy
- Defined microbevel for support and stabilization
- Polished chip space for ideal chip evacuation



- Multipass milling of 3D contours

- Tolerance D1: -0.001/-0.006 mm
- Tolerance D3: 0/-0.02 mm
- Radius tolerance r: 0/-0.003 mm (measured from 0-90°)

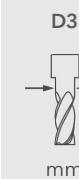
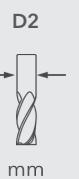


#### Roughing

|               |  |  |  |  | optimal |
|---------------|--|--|--|--|---------|
| inappropriate |  |  |  |  | optimal |

| EXN1-M16-0063 | D1<br><br>mm<br>Ø | D3<br><br>mm<br>Ø | L2<br><br>mm | L3<br><br>mm | L1<br><br>mm | D2<br><br>mm<br>Ø | z<br><br># | r<br><br>mm | $\alpha$<br><br>° |    |
|---------------|-------------------|-------------------|--------------|--------------|--------------|-------------------|------------|-------------|-------------------|----|
| 0,4X1         | 0.4               | 0.38              | 0.4          | 1.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,4X2         | 0.4               | 0.38              | 0.4          | 2.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,4X3         | 0.4               | 0.38              | 0.4          | 3.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,4X4         | 0.4               | 0.38              | 0.4          | 4.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,4X6         | 0.4               | 0.38              | 0.4          | 6.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,4X8         | 0.4               | 0.38              | 0.4          | 8.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,5X1         | 0.5               | 0.48              | 0.5          | 1.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,5X2         | 0.5               | 0.48              | 0.5          | 2.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,5X3         | 0.5               | 0.48              | 0.5          | 3.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,5X4         | 0.5               | 0.48              | 0.5          | 4.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,5X6         | 0.5               | 0.48              | 0.5          | 6.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,5X8         | 0.5               | 0.48              | 0.5          | 8.0          | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |
| 0,5X10        | 0.5               | 0.48              | 0.5          | 10.0         | 50.0         | 4.0               | 2          | 0.10        | 30                | 16 |

| EXN1-M16-0063 | D1  | D3   | L2  | L3   | L1   | D2  | z | r    |    | α  |
|---------------|-----|------|-----|------|------|-----|---|------|----|----|
|               |     |      |     |      |      |     |   |      |    |    |
| 0,6X3         | 0.6 | 0.58 | 0.6 | 3.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,6X4         | 0.6 | 0.58 | 0.6 | 4.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,6X6         | 0.6 | 0.58 | 0.6 | 6.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,6X8         | 0.6 | 0.58 | 0.6 | 8.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,6X10        | 0.6 | 0.58 | 0.6 | 10.0 | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,8X2         | 0.8 | 0.78 | 0.8 | 2.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,8X4         | 0.8 | 0.78 | 0.8 | 4.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,8X6         | 0.8 | 0.78 | 0.8 | 6.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,8X8         | 0.8 | 0.78 | 0.8 | 8.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,8X10        | 0.8 | 0.78 | 0.8 | 10.0 | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 0,8X12        | 0.8 | 0.78 | 0.8 | 12.0 | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X2           | 1.0 | 0.95 | 1.0 | 2.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X3           | 1.0 | 0.95 | 1.0 | 3.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X4           | 1.0 | 0.95 | 1.0 | 4.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X5           | 1.0 | 0.95 | 1.0 | 5.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X6           | 1.0 | 0.95 | 1.0 | 6.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X8           | 1.0 | 0.95 | 1.0 | 8.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X10          | 1.0 | 0.95 | 1.0 | 10.0 | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X12          | 1.0 | 0.95 | 1.0 | 12.0 | 54.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X15          | 1.0 | 0.95 | 1.0 | 15.0 | 60.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X20          | 1.0 | 0.95 | 1.0 | 20.0 | 60.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X25          | 1.0 | 0.95 | 1.0 | 25.0 | 70.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1X30          | 1.0 | 0.95 | 1.0 | 30.0 | 70.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1,2X5         | 1.2 | 1.14 | 1.2 | 5.0  | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1,2X10        | 1.2 | 1.14 | 1.2 | 10.0 | 50.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1,2X15        | 1.2 | 1.14 | 1.2 | 15.0 | 54.0 | 4.0 | 2 | 0.10 | 30 | 16 |
| 1,2X20        | 1.2 | 1.14 | 1.2 | 20.0 | 60.0 | 4.0 | 2 | 0.10 | 30 | 16 |

| EXN1-M16-0063 | D1  | D3  | L2  | L3  | L1  | D2  | z   | r   |   | α   |
|---------------|---|---|---|---|---|---|---|---|---|---|
|               |  |  |  |  |  |  |  |  |  |  |
| 1,5X4         | 1.5   | 1.44  | 1.5   | 4.0   | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X6         | 1.5   | 1.44  | 1.5   | 6.0   | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X8         | 1.5   | 1.44  | 1.5   | 8.0   | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X10        | 1.5   | 1.44  | 1.5   | 10.0  | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X12        | 1.5   | 1.44  | 1.5   | 12.0  | 54.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X15        | 1.5   | 1.44  | 1.5   | 15.0  | 54.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X20        | 1.5   | 1.44  | 1.5   | 20.0  | 60.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X25        | 1.5   | 1.44  | 1.5   | 25.0  | 60.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,5X30        | 1.5   | 1.44  | 1.5   | 30.0  | 70.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,8X8         | 1.8   | 1.74  | 1.8   | 8.0   | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,8X10        | 1.8   | 1.74  | 1.8   | 10.0  | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,8X15        | 1.8   | 1.74  | 1.8   | 15.0  | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 1,8X20        | 1.8   | 1.74  | 1.8   | 20.0  | 54.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X4           | 2.0   | 1.91  | 2.0   | 4.0   | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X6           | 2.0   | 1.91  | 2.0   | 6.0   | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X8           | 2.0   | 1.91  | 2.0   | 8.0   | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X10          | 2.0   | 1.91  | 2.0   | 10.0  | 50.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X12          | 2.0   | 1.91  | 2.0   | 12.0  | 54.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X15          | 2.0   | 1.91  | 2.0   | 15.0  | 54.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X20          | 2.0   | 1.91  | 2.0   | 20.0  | 60.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X25          | 2.0   | 1.91  | 2.0   | 25.0  | 70.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X30          | 2.0   | 1.91  | 2.0   | 30.0  | 70.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X35          | 2.0   | 1.91  | 2.0   | 35.0  | 80.0  | 4.0   | 2   | 0.10  | 30  | 16  |
| 2X40          | 2.0   | 1.91  | 2.0   | 40.0  | 80.0  | 4.0   | 2   | 0.10  | 30  | 16  |



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| Material | Strength<br>(N/mm²) | Feed (mm/Z) | Dimension Ø0.4x1 |                 |         | Dimension Ø0.4x8  |           |           | Dimension Ø0.5x1 |         |             | Dimension Ø0.5x10 |           |           |                   |            |
|----------|---------------------|-------------|------------------|-----------------|---------|-------------------|-----------|-----------|------------------|---------|-------------|-------------------|-----------|-----------|-------------------|------------|
|          |                     |             | Dimension        | Infeed<br>in mm | ae= 1xD | ae= 0.25xD        | ae= 0.1xD | ap= 0.2xD | Dimension        | ae= 1xD | ae= 0.03xD  | ae= 0.01xD        | ap= 0.2xD | Dimension | ae= 1xD           | ae= 0.25xD |
|          |                     |             | Application      |                 |         |                   |           |           |                  |         |             |                   |           |           |                   |            |
| <b>N</b> |                     |             |                  |                 |         |                   |           |           |                  |         |             |                   |           |           | <b>Vc (m/min)</b> |            |
| 1.1      | Aluminium, alloyed  | <500        | 500              | 0.012           | 0.016   | 0.018             | 0.005     | 0.007     | 0.009            | 0.016   | 0.02        | 0.022             | 0.009     | 0.013     | 0.015             |            |
| 1.2      | Aluminium, alloyed  | <600        | 480              | 0.012           | 0.016   | 0.018             | 0.005     | 0.007     | 0.009            | 0.016   | 0.02        | 0.022             | 0.009     | 0.013     | 0.015             |            |
| 2.1-2.3  | Aluminium, casted   | <600        | 450              | 0.011           | 0.015   | 0.017             | 0.004     | 0.006     | 0.008            | 0.015   | 0.018       | 0.021             | 0.008     | 0.012     | 0.014             |            |
| 3.1-3.3  | Cooper, alloyed     | <650        | 220              | 0.01            | 0.014   | 0.016             | 0.003     | 0.005     | 0.007            | 0.014   | 0.016       | 0.02              | 0.007     | 0.011     | 0.013             |            |
| 4.1      | Magnesium, alloyed  | <250        | 500              | 0.012           | 0.016   | 0.018             | 0.005     | 0.007     | 0.009            | 0.016   | 0.02        | 0.022             | 0.009     | 0.013     | 0.015             |            |
| 5.1      | Thermoplastic       | <100        | 400              | 0.011           | 0.015   | 0.017             | 0.004     | 0.006     | 0.008            | 0.015   | 0.018       | 0.021             | 0.008     | 0.012     | 0.014             |            |
| 5.2      | Duroplastic         | <150        | 350              | 0.01            | 0.014   | 0.016             | 0.003     | 0.005     | 0.007            | 0.014   | 0.016       | 0.02              | 0.007     | 0.011     | 0.013             |            |
|          |                     |             |                  |                 |         |                   |           |           |                  |         |             |                   |           |           |                   |            |
| Material | Strength<br>(N/mm²) | Feed (mm/Z) | Dimension Ø0.6x3 |                 |         | Dimension Ø0.6x10 |           |           | Dimension Ø0.8x2 |         |             | Dimension Ø0.8x12 |           |           |                   |            |
|          |                     |             | Dimension        | Infeed<br>in mm | ae= 1xD | ae= 0.25xD        | ae= 0.1xD | ap= 0.2xD | Dimension        | ae= 1xD | ae= 0.04xD  | ae= 0.015xD       | ap= 0.2xD | Dimension | ae= 1xD           | ae= 0.25xD |
|          |                     |             | Application      |                 |         |                   |           |           |                  |         |             |                   |           |           |                   |            |
| <b>N</b> |                     |             |                  |                 |         |                   |           |           |                  |         |             |                   |           |           | <b>Vc (m/min)</b> |            |
| 1.1      | Aluminium, alloyed  | <500        | 500              | 0.016           | 0.02    | 0.022             | 0.012     | 0.015     | 0.017            | 0.016   | 0.02        | 0.022             | 0.012     | 0.015     | 0.017             |            |
| 1.2      | Aluminium, alloyed  | <600        | 480              | 0.016           | 0.02    | 0.022             | 0.012     | 0.015     | 0.017            | 0.016   | 0.02        | 0.022             | 0.012     | 0.015     | 0.017             |            |
| 2.1-2.3  | Aluminium, casted   | <600        | 450              | 0.015           | 0.018   | 0.021             | 0.011     | 0.014     | 0.016            | 0.015   | 0.018       | 0.021             | 0.011     | 0.014     | 0.016             |            |
| 3.1-3.3  | Cooper, alloyed     | <650        | 220              | 0.014           | 0.016   | 0.02              | 0.01      | 0.013     | 0.015            | 0.014   | 0.016       | 0.02              | 0.01      | 0.013     | 0.015             |            |
| 4.1      | Magnesium, alloyed  | <250        | 500              | 0.016           | 0.02    | 0.022             | 0.012     | 0.015     | 0.017            | 0.016   | 0.02        | 0.022             | 0.012     | 0.015     | 0.017             |            |
| 5.1      | Thermoplastic       | <100        | 400              | 0.015           | 0.018   | 0.021             | 0.011     | 0.014     | 0.016            | 0.015   | 0.018       | 0.021             | 0.011     | 0.014     | 0.016             |            |
| 5.2      | Duroplastic         | <150        | 350              | 0.014           | 0.016   | 0.02              | 0.01      | 0.013     | 0.015            | 0.014   | 0.016       | 0.02              | 0.01      | 0.013     | 0.015             |            |
|          |                     |             |                  |                 |         |                   |           |           |                  |         |             |                   |           |           |                   |            |
| Material | Strength<br>(N/mm²) | Feed (mm/Z) | Dimension Ø1x2   |                 |         | Dimension Ø1x30   |           |           | Dimension Ø1.2x5 |         |             | Dimension Ø1.2x20 |           |           |                   |            |
|          |                     |             | Dimension        | Infeed<br>in mm | ae= 1xD | ae= 0.25xD        | ae= 0.1xD | ap= 0.2xD | Dimension        | ae= 1xD | ae= 0.015xD | ae= 0.01xD        | ap= 0.2xD | Dimension | ae= 1xD           | ae= 0.25xD |
|          |                     |             | Application      |                 |         |                   |           |           |                  |         |             |                   |           |           |                   |            |
| <b>N</b> |                     |             |                  |                 |         |                   |           |           |                  |         |             |                   |           |           | <b>Vc (m/min)</b> |            |
| 1.1      | Aluminium, alloyed  | <500        | 500              | 0.025           | 0.03    | 0.035             | 0.01      | 0.015     | 0.02             | 0.025   | 0.03        | 0.035             | 0.02      | 0.025     | 0.03              |            |
| 1.2      | Aluminium, alloyed  | <600        | 480              | 0.025           | 0.03    | 0.035             | 0.01      | 0.015     | 0.02             | 0.025   | 0.03        | 0.035             | 0.02      | 0.025     | 0.03              |            |
| 2.1-2.3  | Aluminium, casted   | <600        | 450              | 0.022           | 0.027   | 0.032             | 0.008     | 0.013     | 0.017            | 0.022   | 0.027       | 0.032             | 0.017     | 0.022     | 0.027             |            |
| 3.1-3.3  | Cooper, alloyed     | <650        | 220              | 0.019           | 0.024   | 0.029             | 0.006     | 0.011     | 0.014            | 0.019   | 0.024       | 0.029             | 0.014     | 0.019     | 0.024             |            |
| 4.1      | Magnesium, alloyed  | <250        | 500              | 0.025           | 0.03    | 0.035             | 0.01      | 0.015     | 0.02             | 0.025   | 0.03        | 0.035             | 0.02      | 0.025     | 0.03              |            |
| 5.1      | Thermoplastic       | <100        | 400              | 0.022           | 0.027   | 0.032             | 0.008     | 0.013     | 0.017            | 0.022   | 0.027       | 0.032             | 0.017     | 0.022     | 0.027             |            |
| 5.2      | Duroplastic         | <150        | 350              | 0.019           | 0.024   | 0.029             | 0.006     | 0.011     | 0.014            | 0.019   | 0.024       | 0.029             | 0.014     | 0.019     | 0.024             |            |

**NOTE |** Values in the table are the shortest and the longest overhang length (L3) of each dimension; please calculate fz, ap and ae depending on the given values.  
 ae/ap(max)=0.5x corner radius!

| Material   | Strength<br>(N/mm <sup>2</sup> ) | Feed (mm/Z) | Dimension Ø1.5x4 |       |       | Dimension Ø1.5x30 |            |           | Dimension Ø1.8x8 |             |            | Dimension Ø1.8x20 |            |           |       |  |  |  |  |  |  |  |  |  |
|--|----------------------------------|-------------|------------------|-------|-------|-------------------|------------|-----------|------------------|-------------|------------|-------------------|------------|-----------|-------|--|--|--|--|--|--|--|--|--|
|  |                                  |             | Infeed in mm     |       |       | ae= 1xD           | ae= 0.25xD | ae= 0.1xD | ae= 1xD          | ae= 0.03xD  | ae= 0.01xD | ae= 1xD           | ae= 0.25xD | ae= 0.1xD |       |  |  |  |  |  |  |  |  |  |
|  |                                  |             | Application      |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| <b>N</b>   |                                  |             |                  |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 1.1  | Aluminium, alloyed               | <500        | 500              | 0.025 | 0.03  | 0.035             | 0.015      | 0.02      | 0.025            | 0.03        | 0.035      | 0.04              | 0.025      | 0.03      | 0.035 |  |  |  |  |  |  |  |  |  |
| 1.2  | Aluminium, alloyed               | <600        | 480              | 0.025 | 0.03  | 0.035             | 0.015      | 0.02      | 0.025            | 0.03        | 0.035      | 0.04              | 0.025      | 0.03      | 0.035 |  |  |  |  |  |  |  |  |  |
| 2.1-2.3  | Aluminium, casted                | <600        | 450              | 0.022 | 0.027 | 0.032             | 0.013      | 0.017     | 0.022            | 0.027       | 0.031      | 0.035             | 0.022      | 0.026     | 0.03  |  |  |  |  |  |  |  |  |  |
| 3.1-3.3  | Cooper, alloyed                  | <650        | 220              | 0.019 | 0.024 | 0.029             | 0.011      | 0.014     | 0.019            | 0.024       | 0.027      | 0.03              | 0.019      | 0.022     | 0.025 |  |  |  |  |  |  |  |  |  |
| 4.1  | Magnesium, alloyed               | <250        | 500              | 0.025 | 0.03  | 0.035             | 0.015      | 0.02      | 0.025            | 0.03        | 0.035      | 0.04              | 0.025      | 0.03      | 0.035 |  |  |  |  |  |  |  |  |  |
| 5.1  | Thermoplastic                    | <100        | 400              | 0.022 | 0.027 | 0.032             | 0.013      | 0.017     | 0.022            | 0.027       | 0.031      | 0.035             | 0.022      | 0.026     | 0.03  |  |  |  |  |  |  |  |  |  |
| 5.2  | Duroplastic                      | <150        | 350              | 0.019 | 0.024 | 0.029             | 0.011      | 0.014     | 0.019            | 0.024       | 0.027      | 0.03              | 0.019      | 0.022     | 0.025 |  |  |  |  |  |  |  |  |  |
|  |                                  |             |                  |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
|  |                                  |             |                  |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| Material   | Strength<br>(N/mm <sup>2</sup> ) | Feed (mm/Z) | Dimension Ø2x4   |       |       | Dimension Ø2x40   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
|  |                                  |             | Infeed in mm     |       |       | ae= 1xD           | ae= 0.25xD | ae= 0.1xD | ae= 1xD          | ae= 0.015xD | ae= 0.01xD |                   |            |           |       |  |  |  |  |  |  |  |  |  |
|  |                                  |             | Application      |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| <b>N</b>   |                                  |             |                  |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 1.1  | Aluminium, alloyed               | <500        | 500              | 0.03  | 0.035 | 0.04              | 0.02       | 0.025     | 0.03             |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 1.2  | Aluminium, alloyed               | <600        | 480              | 0.03  | 0.035 | 0.04              | 0.02       | 0.025     | 0.03             |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 2.1-2.3  | Aluminium, casted                | <600        | 450              | 0.027 | 0.031 | 0.035             | 0.017      | 0.021     | 0.025            |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 3.1-3.3  | Cooper, alloyed                  | <650        | 220              | 0.024 | 0.027 | 0.03              | 0.014      | 0.017     | 0.02             |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 4.1  | Magnesium, alloyed               | <250        | 500              | 0.03  | 0.035 | 0.04              | 0.02       | 0.025     | 0.03             |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 5.1  | Thermoplastic                    | <100        | 400              | 0.027 | 0.031 | 0.035             | 0.017      | 0.021     | 0.025            |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| 5.2  | Duroplastic                      | <150        | 350              | 0.024 | 0.027 | 0.03              | 0.014      | 0.017     | 0.02             |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| <b>NOTE  </b> Values in the table are the shortest and the longest overhang length (L3) of each dimension; please calculate fz, ap and ae depending on the given values. |                                  |             |                  |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |
| ae/ap(max)=0.5x corner radius!   |                                  |             |                  |       |       |                   |            |           |                  |             |            |                   |            |           |       |  |  |  |  |  |  |  |  |  |