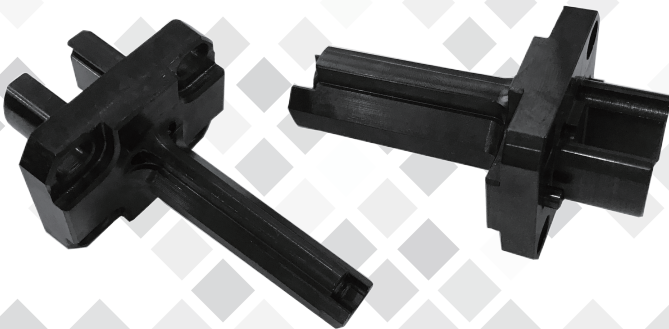
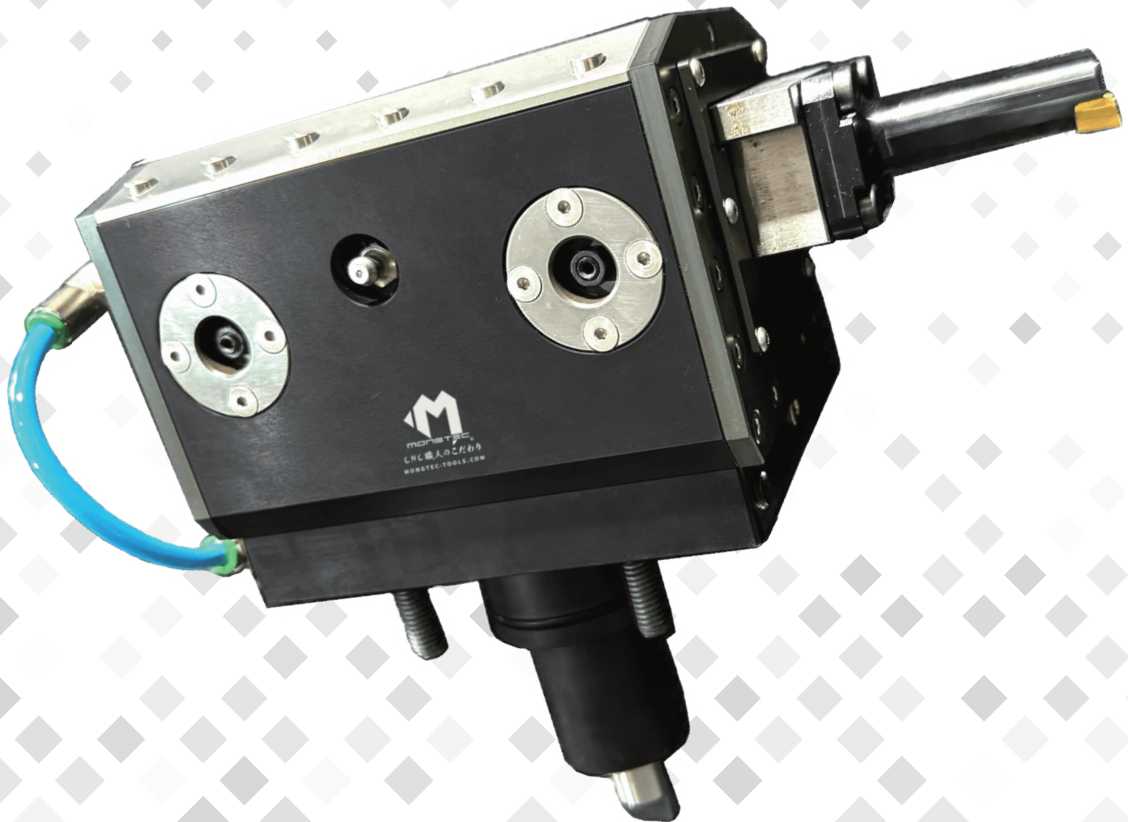


# Mongtec Broaching Unit Toolholder



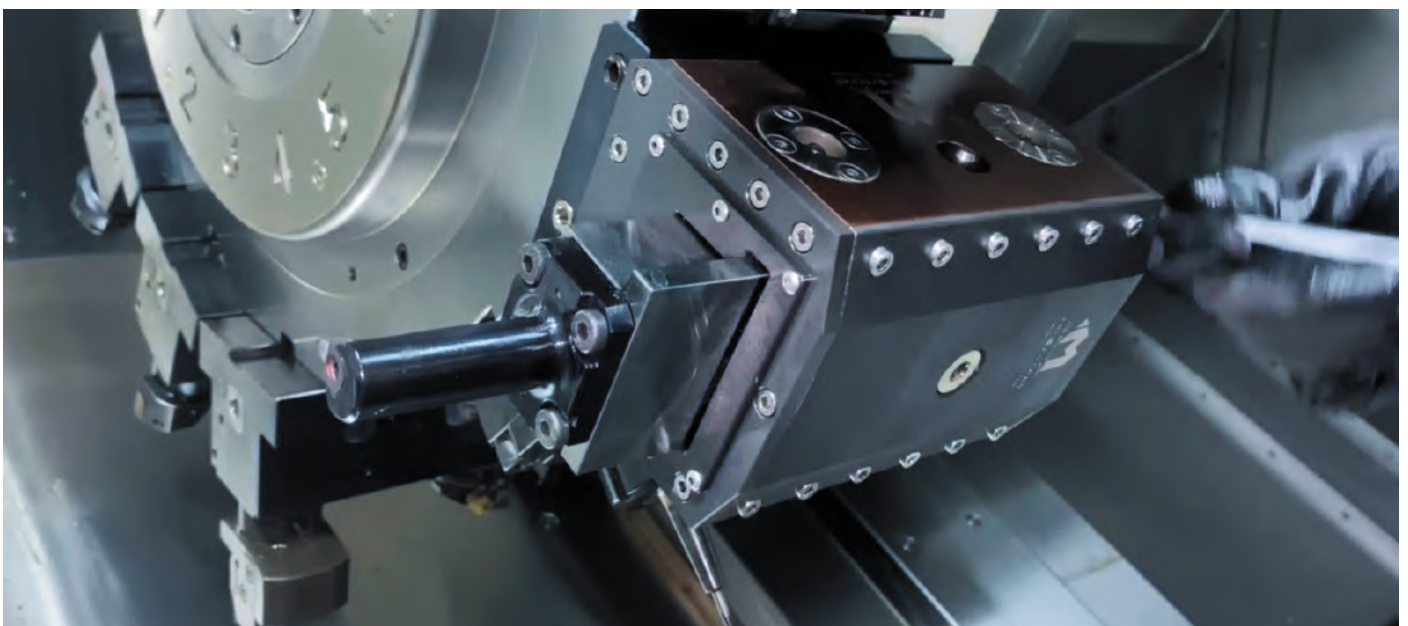
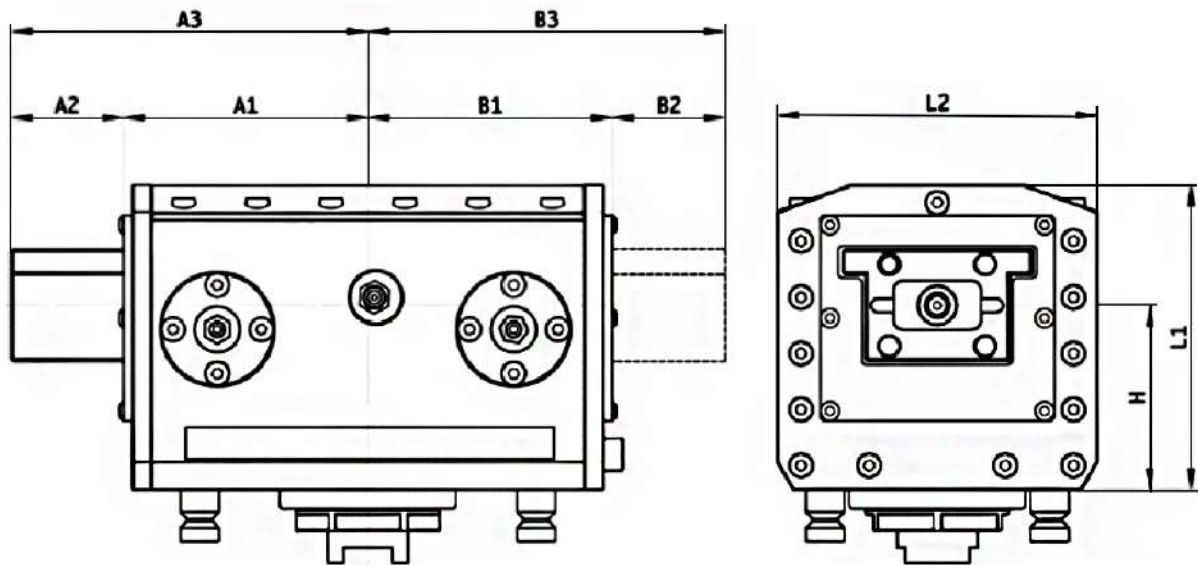
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| Inserts for hexagon              | 12 |

## Broaching tool size

| Broaching tool code | Max slide travel (mm) | A1 (mm) | A2 (mm) | A3 (mm) | B1 (mm) | B2 (mm) | B3 (mm) | L1 (mm) | L2 (mm) | H (mm) |
|---------------------|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| MLST25              | 25                    | 50      | 27      | 77      | 46      | 27      | 73      | 52      | 63      | 30     |
| MLST35              | 35                    | 76      | 35      | 111     | 76      | 35      | 111     | 95      | 100     | 58     |
| MLST50              | 50                    | 91      | 50      | 141     | 76      | 50      | 126     | 95      | 110     | 58     |
| MLST65              | 65                    | 106     | 65      | 171     | 76      | 65      | 141     | 97      | 125     | 57.5   |



## Insert holder MLutm 25 series

| CODE      | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTM0225 | 26         | 43         | 8          | 9          | 27.5       | 19         | 6.5        | 7                | 25         |
| MLUTM0325 | 26         | 43         | 8          | 9          | 27.5       | 19         | 8          | 8.7              | 28.5       |
| MLUTM0425 | 26         | 43         | 8          | 9          | 27.5       | 19         | 10         | 11               | 32.5       |
| MLUTM0525 | 26         | 43         | 8          | 9          | 27.5       | 19         | 12         | 13               | 40         |
| MLUTM0625 | 26         | 43         | 8          | 9          | 27.5       | 19         | 15         | 17               | 46.5       |

## Insert holder MLutm 35 series

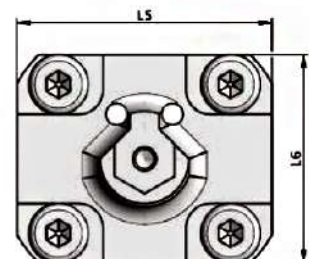
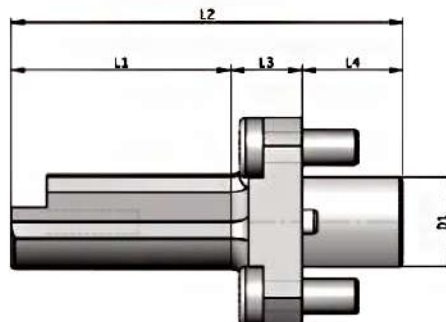
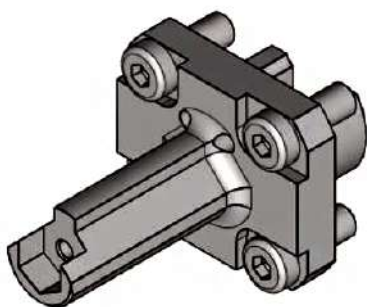
| CODE         | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTM0235    | 25         | 58         | 13         | 20         | 43         | 35         | 6          | 7                | 0.15       |
| MLUTM0335    | 30         | 63         | 13         | 20         | 43         | 35         | 8          | 8.7              | 0.16       |
| MLUTM0435    | 40         | 73         | 13         | 20         | 43         | 35         | 10         | 11               | 0.17       |
| MLUTM0535    | 46         | 79         | 13         | 20         | 43         | 35         | 12         | 13               | 0.18       |
| MLUTM0635    | 46         | 79         | 13         | 20         | 43         | 35         | 16         | 17               | 0.21       |
| MLUTM0835    | 46         | 79         | 13         | 20         | 43         | 35         | 20         | 21.5             | 0.225      |
| MLUTM10/1235 | 46         | 79         | 13         | 20         | 43         | 35         | 22         | 24               | 0.235      |
| MLUTM14/1635 | 46         | 79         | 13         | 20         | 43         | 35         | 25         | 27               | 0.245      |

## Insert holder MLutm 50 series

| CODE         | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTM0250    | 25         | 58         | 13         | 20         | 43         | 35         | 6          | 7                | 0.15       |
| MLUTM0350    | 30         | 63         | 13         | 20         | 43         | 35         | 8          | 8.7              | 0.16       |
| MLUTM0450    | 40         | 73         | 13         | 20         | 43         | 35         | 10         | 11               | 0.17       |
| MLUTM0550    | 46         | 79         | 13         | 20         | 43         | 35         | 12         | 13               | 0.18       |
| MLUTM0650    | 56         | 89         | 13         | 20         | 43         | 35         | 16         | 17               | 0.21       |
| MLUTM0850    | 56         | 89         | 13         | 20         | 43         | 35         | 20         | 21.5             | 0.225      |
| MLUTM10/1250 | 56         | 89         | 13         | 20         | 43         | 35         | 22         | 24               | 0.235      |
| MLUTM14/1650 | 56         | 89         | 13         | 20         | 43         | 35         | 25         | 27               | 0.245      |

## Insert holder MLutm 65 series

| CODE         | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTM0265    | 25         | 58         | 13         | 20         | 43         | 35         | 6          | 7                | 0.15       |
| MLUTM0365    | 30         | 63         | 13         | 20         | 43         | 35         | 8          | 8.7              | 0.16       |
| MLUTM0465    | 40         | 73         | 13         | 20         | 43         | 35         | 10         | 11               | 0.17       |
| MLUTM0565    | 46         | 79         | 13         | 20         | 43         | 35         | 12         | 13               | 0.21       |
| MLUTM0665    | 56         | 89         | 13         | 20         | 43         | 35         | 16         | 17               | 0.18       |
| MLUTM0865    | 68         | 102        | 13         | 20         | 43         | 35         | 20         | 21.5             | 0.24       |
| MLUTM10/1265 | 70         | 103        | 13         | 20         | 43         | 35         | 22         | 24               | 0.265      |
| MLUTM14/1665 | 70         | 103        | 13         | 20         | 43         | 35         | 25         | 27               | 0.245      |



## Insert holder MLutmSQ 25 series

| CODE           | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTMSQ8/1025  | 26         | 29         | 8          | 9          | 27.5       | 19         | 8          | 8.5              | 28.5       |
| MLUTMSQ10/1325 | 26         | 29         | 8          | 9          | 27.5       | 19         | 8.6        | 10               | 30         |
| MLUTMSQ13/1625 | 26         | 29         | 8          | 9          | 27.5       | 19         | 12         | 13               | 40         |

## Insert holder MLutmSQ 35 series

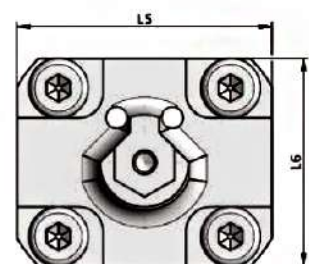
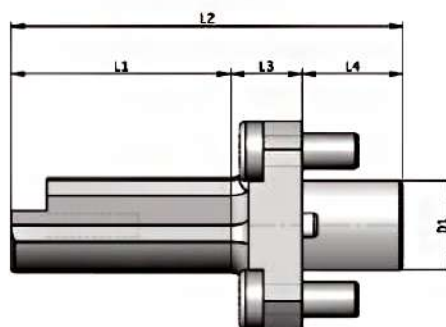
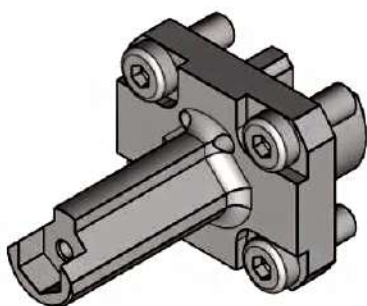
| CODE           | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTMSQ8/1035  | 30         | 58         | 13         | 20         | 43         | 35         | 7,25       | 8                | 0.15       |
| MLUTMSQ10/1335 | 40         | 63         | 13         | 20         | 43         | 35         | 8,6        | 10               | 0.16       |
| MLUTMSQ13/1635 | 46         | 73         | 13         | 20         | 43         | 35         | 12         | 13               | 0.17       |
| MLUTMSQ16/1935 | 46         | 79         | 13         | 20         | 43         | 35         | 15         | 16               | 0.18       |
| MLUTMSQ19/2735 | 46         | 79         | 13         | 20         | 43         | 35         | 18,5       | 19               | 0.21       |
| MLUTMSQ27/3735 | 46         | 79         | 13         | 20         | 43         | 35         | 25         | 27               | 0.225      |

## Insert holder MLutmSQ 50 series

| CODE           | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTMSQ8/1050  | 30         | 58         | 13         | 20         | 43         | 35         | 7,25       | 8                | 0.15       |
| MLUTMSQ10/1350 | 40         | 63         | 13         | 20         | 43         | 35         | 8,6        | 10               | 0.16       |
| MLUTMSQ13/1650 | 50         | 77         | 13         | 20         | 43         | 35         | 12         | 13               | 0.17       |
| MLUTMSQ16/1950 | 52         | 87         | 13         | 20         | 43         | 35         | 15         | 16               | 0.21       |
| MLUTMSQ19/2750 | 60         | 93         | 13         | 20         | 43         | 35         | 18,5       | 19               | 0.225      |
| MLUTMSQ27/3750 | 60         | 93         | 13         | 20         | 43         | 35         | 25         | 27               | 0.225      |

## Insert holder MLutmSQ 65 series

| CODE            | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTMSQ8/1065   | 30         | 58         | 13         | 20         | 43         | 35         | 7,25       | 8                | 0.15       |
| MLUTMSQ10/1365  | 40         | 63         | 13         | 20         | 43         | 35         | 8,6        | 10               | 0.16       |
| MLUTMSQ13/16465 | 50         | 77         | 13         | 20         | 43         | 35         | 12         | 13               | 0.17       |
| MLUTMSQ16/1965  | 52         | 87         | 13         | 20         | 43         | 35         | 15         | 16               | 0.21       |
| MLUTMSQ19/2765  | 75         | 108        | 13         | 20         | 43         | 35         | 18,5       | 19               | 0.29       |
| MLUTMSQ27/3765  | 75         | 108        | 13         | 20         | 43         | 35         | 25         | 27               | 0.315      |



## Insert holder MLutmhex 25 series

| CODE            | Broaching tool model | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | L5 (mm) | L6 (mm) | D1 (mm) | Min hole (mm) | Weight (g) |
|-----------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| MLUTMHEX9/1125  | ST25                 | 26      | 29      | 8       | 9       | 27.5    | 19      | 8       | 8.7           | 29.5       |
| MLUTMHEX11/1725 | ST25                 | 26      | 29      | 8       | 9       | 27.5    | 19      | 10      | 11.55         | 35.5       |
| MLUTMHEX17/2825 | ST25                 | 26      | 29      | 8       | 9       | 27.5    | 19      | 15      | 16            | 52         |

## insert holder MLutmhex 35 series

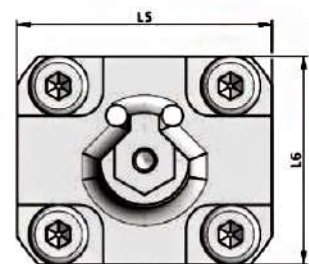
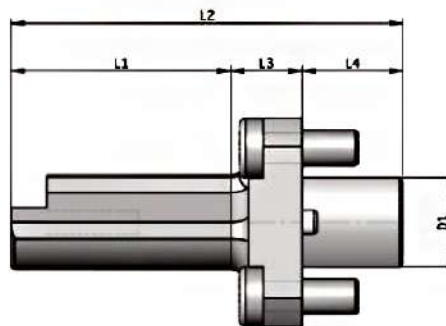
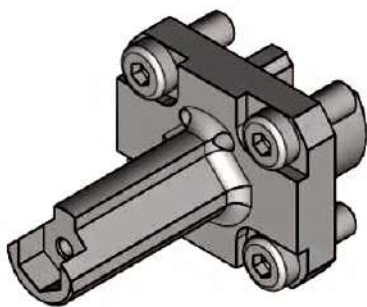
| CODE            | Broaching tool model | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | L5 (mm) | L6 (mm) | D1 (mm) | Min hole (mm) | Weight (g) |
|-----------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| MLUTMHEX9/1135  | ST35                 | 30      | 58      | 13      | 20      | 43      | 35      | 8       | 8.7           | 0.15       |
| MLUTMHEX11/1735 | ST35                 | 40      | 63      | 13      | 20      | 43      | 35      | 10      | 11            | 0.16       |
| MLUTMHEX17/2835 | ST35                 | 46      | 73      | 13      | 20      | 43      | 35      | 15      | 16            | 0.17       |
| MLUTMHEX28/3735 | ST35                 | 46      | 79      | 13      | 20      | 43      | 35      | 25      | 27            | 0.18       |
| MLUTMHEX37/4535 | ST35                 | 46      | 79      | 13      | 20      | 43      | 35      | 28      | 30            | 0.27       |

## Insert holder MLutmSQ 50 series

| CODE            | Broaching tool model | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | L5 (mm) | L6 (mm) | D1 (mm) | Min hole (mm) | Weight (g) |
|-----------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| MLUTMHEX9/1150  | ST50                 | 30      | 58      | 13      | 20      | 43      | 35      | 8       | 8.7           | 0.15       |
| MLUTMHEX11/1750 | ST50                 | 40      | 63      | 13      | 20      | 43      | 35      | 10      | 11            | 0.16       |
| MLUTMHEX17/2850 | ST50                 | 60      | 73      | 13      | 20      | 43      | 35      | 15      | 16            | 0.21       |
| MLUTMHEX28/3750 | ST50                 | 60      | 79      | 13      | 20      | 43      | 35      | 25      | 27            | 0.225      |
| MLUTMHEX37/4550 | ST50                 | 60      | 79      | 13      | 20      | 43      | 35      | 28      | 30            | 0.245      |

## insert holder MLutmhex 65 series

| CODE            | Broaching tool model | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | L5 (mm) | L6 (mm) | D1 (mm) | Min hole (mm) | Weight (g) |
|-----------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| MLUTMHEX9/1165  | ST65                 | 30      | 58      | 13      | 20      | 43      | 35      | 8       | 8.7           | 0.15       |
| MLUTMHEX11/1765 | ST65                 | 40      | 73      | 13      | 20      | 43      | 35      | 10      | 11            | 0.16       |
| MLUTMHEX17/2865 | ST65                 | 60      | 93      | 13      | 20      | 43      | 35      | 15      | 16            | 0.21       |
| MLUTMHEX28/3765 | ST65                 | 75      | 108     | 13      | 20      | 43      | 35      | 25      | 27            | 0.225      |
| MLUTMHEX37/4565 | ST65                 | 75      | 108     | 13      | 20      | 43      | 35      | 28      | 30            | 0.275      |



## Insert holder MLutms 25 series

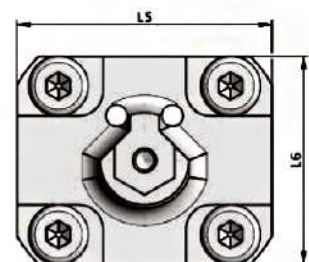
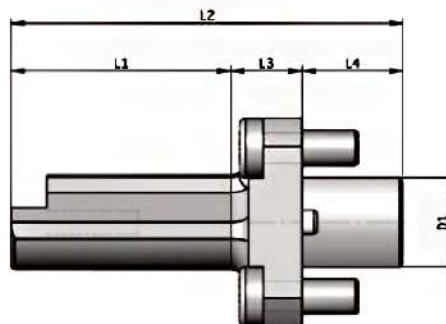
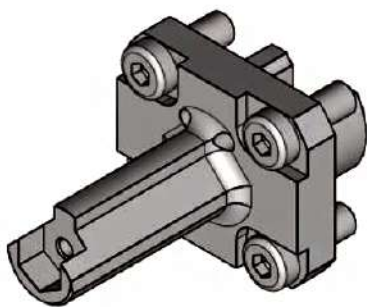
| CODE       | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTMS0225 | 26         | 29         | 8          | 9          | 27.5       | 19         | 6.5        | 7                | 28         |
| MLUTMS0325 | 26         | 29         | 8          | 9          | 27.5       | 19         | 8          | 8.7              | 34         |
| MLUTMS0425 | 26         | 29         | 8          | 9          | 27.5       | 19         | 8          | 8.7              | 34         |
| MLUTMS0525 | 26         | 29         | 8          | 9          | 27.5       | 19         | 12         | 13               | 40         |
| MLUTMS0625 | 26         | 29         | 8          | 9          | 27.5       | 19         | 16         | 17               | 45         |
| MLUTMS0825 | 26         | 29         | 8          | 9          | 27.5       | 19         | 18         | 19.5             | 58         |

## Insert holder MLutms 35 series

| CODE          | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTMS0235    | 25         | 58         | 13         | 20         | 43         | 35         | 6.5        | 7                | 0.15       |
| MLUTMS0335    | 30         | 63         | 13         | 20         | 43         | 35         | 8          | 8.7              | 0.16       |
| MLUTMS0435    | 40         | 73         | 13         | 20         | 43         | 35         | 10         | 11               | 0.17       |
| MLUTMS0535    | 46         | 79         | 13         | 20         | 43         | 35         | 12         | 13               | 0.18       |
| MLUTMS0635    | 46         | 79         | 13         | 20         | 43         | 35         | 16         | 17               | 0.21       |
| MLUTMS0835    | 46         | 79         | 13         | 20         | 43         | 35         | 20         | 21.5             | 0.225      |
| MLUTMS1035    | 46         | 79         | 13         | 20         | 43         | 35         | 22         | 24               | 0.235      |
| MLUTMS1235    | 46         | 79         | 13         | 20         | 43         | 35         | 25         | 27               | 0.245      |
| MLUTMS14/1635 | 46         | 79         | 13         | 20         | 43         | 35         | 28         | 30               | 0.245      |

## Insert holder MLutms 50 series

| CODE          | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) | Min hole<br>(mm) | Weight (g) |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|
| MLUTMS0250    | 25         | 58         | 13         | 20         | 43         | 35         | 6.5        | 7                | 0.15       |
| MLUTMS0350    | 30         | 63         | 13         | 20         | 43         | 35         | 8          | 8.7              | 0.16       |
| MLUTMS0450    | 40         | 73         | 13         | 20         | 43         | 35         | 10         | 11               | 0.17       |
| MLUTMS0550    | 46         | 79         | 13         | 20         | 43         | 35         | 12         | 13               | 0.18       |
| MLUTMS0650    | 56         | 89         | 13         | 20         | 43         | 35         | 16         | 17               | 0.21       |
| MLUTMS0850    | 60         | 93         | 13         | 20         | 43         | 35         | 20         | 21.5             | 0.245      |
| MLUTMS1050    | 60         | 93         | 13         | 20         | 43         | 35         | 22         | 24               | 0.265      |
| MLUTMS1250    | 60         | 93         | 13         | 20         | 43         | 35         | 25         | 27               | 0.285      |
| MLUTMS14/1650 | 60         | 93         | 13         | 20         | 43         | 35         | 28         | 30               | 0.31       |



## Insert holder MLutmM 25 series

| CODE     | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) |
|----------|------------|------------|------------|------------|------------|------------|------------|
| MLUTMM25 | 20         | 50         | 15         | 20         | 43         | 35         | X          |

## Insert holder MLutmM 35 series

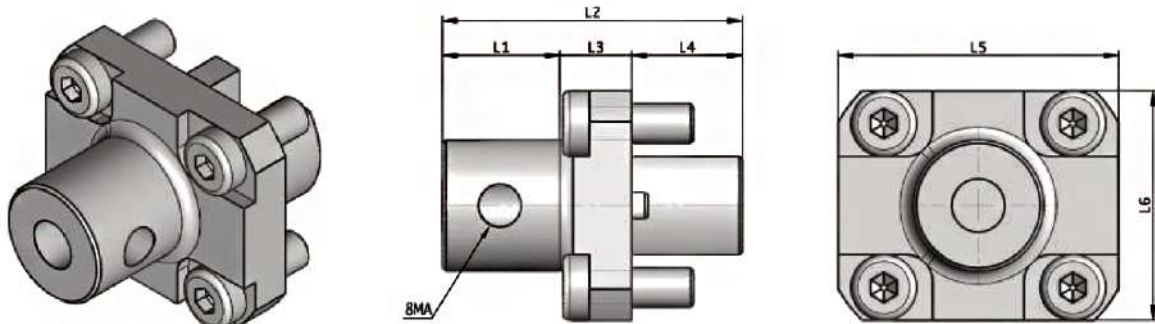
| CODE     | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) |
|----------|------------|------------|------------|------------|------------|------------|------------|
| MLUTMM35 | 20         | 50         | 15         | 20         | 43         | 35         | X          |

## Insert holder MLutmM 50 series

| CODE     | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) |
|----------|------------|------------|------------|------------|------------|------------|------------|
| MLUTMM50 | 20         | 50         | 15         | 20         | 43         | 35         | X          |

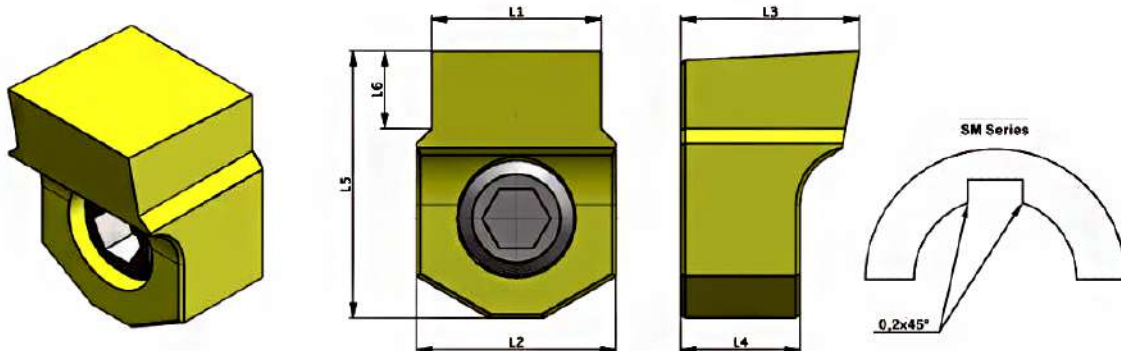
## Insert holder MLutmM 65 series

| CODE     | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | D1<br>(mm) |
|----------|------------|------------|------------|------------|------------|------------|------------|
| MLUTMM65 | 20         | 50         | 15         | 20         | 43         | 35         | X          |



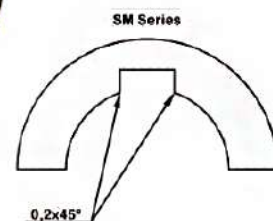
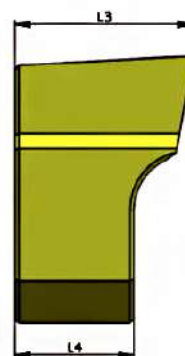
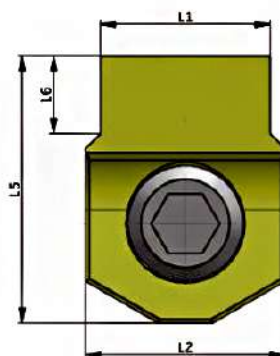
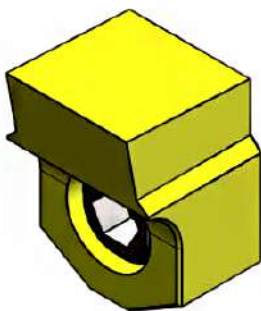
## Inserts (mm)

| CODE        | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | Utensile<br>Tool |
|-------------|------------|------------|------------|------------|------------|------------|------------------|
| MLIN02 P9   | 1.994      | 5          | 6.5        | 5          | 6          | 1.3        | UT02             |
| MLIN02 P9SM | 1.994      | 5          | 6.5        | 5          | 6          | 1.09       | UT02             |
| MLIN02 H7   | 2.01       | 5          | 6.5        | 5          | 6          | 1.3        | UT02             |
| MLIN02 H7SM | 2.01       | 5          | 6.5        | 5          | 6          | 1.09       | UT02             |
| MLIN02 D10  | 2.06       | 5          | 6.5        | 5          | 6          | 1.3        | UT02             |
| MLIN02 C11  | 2.12       | 5          | 6.5        | 5          | 6          | 1.3        | UT02             |
| MLIN03 P9   | 2.994      | 6.08       | 6.5        | 5          | 7.5        | 2          | UT03             |
| MLIN03 P9SM | 2.994      | 6.08       | 6.5        | 5          | 7.5        | 1.42       | UT03             |
| MLIN03 H7   | 3.01       | 6.08       | 6.5        | 5          | 7.5        | 2          | UT03             |
| MLIN03 H7SM | 3.01       | 6.08       | 6.5        | 5          | 7.5        | 1.42       | UT03             |
| MLIN03 D10  | 3.06       | 6.08       | 6.5        | 5          | 7.5        | 2          | UT03             |
| MLIN03 C11  | 3.12       | 6.08       | 6.5        | 5          | 7.5        | 2          | UT03             |
| MLIN04 P9   | 3.998      | 6.08       | 7          | 5          | 8          | 2.6        | UT04             |
| MLIN04 P9SM | 3.998      | 6.08       | 7          | 5          | 8          | 2.07       | UT04             |
| MLIN04 H7   | 4.012      | 6.08       | 7          | 5          | 8          | 2.6        | UT04             |
| MLIN04 H7SM | 4.012      | 6.08       | 7          | 5          | 8          | 2.07       | UT04             |
| MLIN04 C11  | 4.145      | 6.08       | 7          | 5          | 8          | 2.6        | UT04             |
| MLIN05 P9   | 4.988      | 6.08       | 7          | 5          | 8          | 3          | UT05             |
| MLIN05 P9SM | 4.988      | 6.08       | 7          | 5          | 8          | 2.74       | UT05             |
| MLIN05 H7   | 5.012      | 6.08       | 7          | 5          | 8          | 3          | UT05             |
| MLIN05 H7SM | 5.012      | 6.08       | 7          | 5          | 8          | 2.74       | UT05             |
| MLIN05 D10  | 5.078      | 6.08       | 7          | 5          | 8          | 3          | UT05             |
| MLIN05 C11  | 5.145      | 6.08       | 7          | 5          | 8          | 3          | UT05             |
| MLIN06 P9   | 5.998      | 10.08      | 9          | 6          | 13.5       | 4          | UT06             |
| MLIN06 P9SM | 5.998      | 10.08      | 9          | 6          | 13.5       | 3          | UT06             |
| MLIN06 H7   | 6.012      | 10.08      | 9          | 6          | 13.5       | 4          | UT06             |
| MLIN06 H7SM | 6.012      | 10.08      | 9          | 6          | 13.5       | 3          | UT06             |
| MLIN06 D10  | 6.078      | 10.08      | 9          | 6          | 13.5       | 4          | UT06             |
| MLIN06 C11  | 6.145      | 10.08      | 9          | 6          | 13.5       | 4          | UT06             |
| MLIN08 P9   | 7.985      | 10.08      | 9          | 6          | 13.5       | 4.5        | UT08             |
| MLIN08 P9SM | 7.985      | 10.08      | 9          | 6          | 13.5       | 3.78       | UT08             |
| MLIN08 H7   | 8.015      | 10.08      | 9          | 6          | 13.5       | 4.5        | UT08             |
| MLIN08 H7SM | 8.015      | 10.08      | 9          | 6          | 13.5       | 3.78       | UT08             |
| MLIN08 D10  | 8.098      | 10.08      | 9          | 6          | 13.5       | 4.5        | UT08             |
| MLIN08 C11  | 8.17       | 10.08      | 9          | 6          | 13.5       | 4.5        | UT08             |
| MLIN10 P9   | 9.985      | 13.1       | 14         | 10         | 18.5       | 6          | UT10             |
| MLIN10 P9SM | 9.985      | 13.1       | 14         | 10         | 18.5       | 3.88       | UT10             |
| MLIN10 H7   | 10.015     | 13.1       | 14         | 10         | 18.5       | 6          | UT10             |
| MLIN10 H7SM | 10.015     | 13.1       | 14         | 10         | 18.5       | 3.88       | UT10             |
| MLIN10 D10  | 10.098     | 13.1       | 14         | 10         | 18.5       | 6          | UT10             |
| MLIN10 C11  | 10.17      | 13.1       | 14         | 10         | 18.5       | 6          | UT10             |
| MLIN12 P9   | 11.982     | 13.1       | 14         | 10         | 18.5       | 6.5        | UT12             |



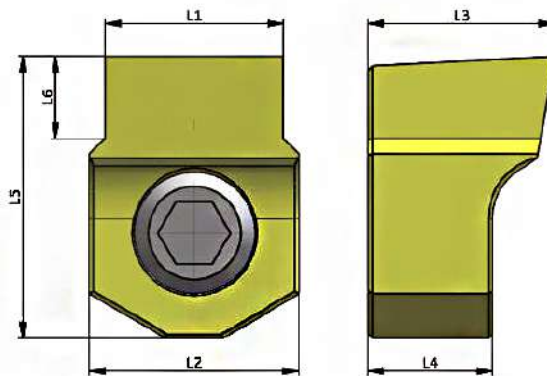
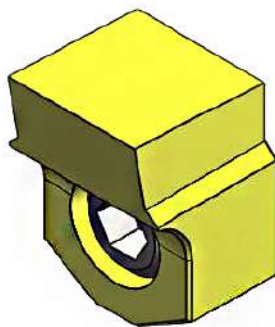
## Inserts (mm)

| CODE          | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | L4<br>(mm) | L5<br>(mm) | L6<br>(mm) | Utensile<br>Tool |
|---------------|------------|------------|------------|------------|------------|------------|------------------|
| MLIN12 P9SM   | 11.982     | 13.1       | 14         | 10         | 18.5       | 3.89       | UT12             |
| MLIN12 H7     | 12.018     | 13.1       | 14         | 10         | 18.5       | 6.5        | UT12             |
| MLIN12 H7SM   | 12.018     | 13.1       | 14         | 10         | 18.5       | 3.89       | UT12             |
| MLIN12 D10    | 12.12      | 13.1       | 14         | 10         | 18.5       | 6.5        | UT12             |
| MLIN12 C11    | 12.205     | 13.1       | 14         | 10         | 18.5       | 6.5        | UT12             |
| MLIN14 P9     | 13.982     | 18         | 14         | 10         | 22         | 7          | UT14/16          |
| MLIN14 P9SM   | 13.982     | 18         | 14         | 10         | 22         | 4.71       | UT14/16          |
| MLIN14 H7     | 14.018     | 18         | 14         | 10         | 22         | 7          | UT14/16          |
| MLIN14 H7SM   | 14.018     | 18         | 14         | 10         | 22         | 4.71       | UT14/16          |
| MLIN14 D10    | 14.12      | 18         | 14         | 10         | 22         | 7          | UT14/16          |
| MLIN14 C11    | 14.205     | 18         | 14         | 10         | 22         | 7          | UT14/16          |
| MLIN16 P9     | 15.982     | 18         | 14         | 10         | 22         | 8          | UT14/16          |
| MLIN16 P9SM   | 15.982     | 18         | 14         | 10         | 22         | 5.53       | UT14/16          |
| MLIN16 H7     | 16.018     | 18         | 14         | 10         | 22         | 8          | UT14/16          |
| MLIN16 H7SM   | 16.018     | 18         | 14         | 10         | 22         | 5.53       | UT14/16          |
| MLIN16 D10    | 16.12      | 18         | 14         | 10         | 22         | 8          | UT14/16          |
| MLIN16 C11    | 16.205     | 18         | 14         | 10         | 22         | 8          | UT14/16          |
| MLIN18 P9**   | 17.982     | 26         | 18         | 10         | 30         | 9          | UT18/25          |
| MLIN18 P9SM** | 17.982     | 26         | 18         | 10         | 30         | 5.67       | UT18/25          |
| MLIN18 H7**   | 18.018     | 26         | 18         | 10         | 30         | 9          | UT18/25          |
| MLIN18 H7SM** | 18.018     | 26         | 18         | 10         | 30         | 5.67       | UT18/25          |
| MLIN18 D10**  | 18.12      | 26         | 18         | 10         | 30         | 9          | UT18/25          |
| MLIN18 C11**  | 18.205     | 26         | 18         | 10         | 30         | 9          | UT18/25          |
| MLIN20 P9**   | 19.978     | 26         | 18         | 10         | 30         | 10         | UT18/25          |
| MLIN20 P9SM** | 19.978     | 26         | 18         | 10         | 30         | 6.29       | UT18/25          |
| MLIN20 H7**   | 20.021     | 26         | 18         | 10         | 30         | 10         | UT18/25          |
| MLIN20 H7SM** | 20.021     | 26         | 18         | 10         | 30         | 6.29       | UT18/25          |
| MLIN20 D10**  | 20.149     | 26         | 18         | 10         | 30         | 10         | UT18/25          |
| MLIN20 C11**  | 20.021     | 26         | 18         | 10         | 30         | 10         | UT18/25          |
| MLIN22 P9**   | 21.978     | 26         | 18         | 10         | 30         | 11         | UT18/25          |
| MLIN22 P9SM** | 21.978     | 26         | 18         | 10         | 30         | 6.79       | UT18/25          |
| MLIN22 H7**   | 22.021     | 26         | 18         | 10         | 30         | 11         | UT18/25          |
| MLIN22 H7SM** | 22.021     | 26         | 18         | 10         | 30         | 6.79       | UT18/25          |
| MLIN22 D10**  | 22.149     | 26         | 18         | 10         | 30         | 11         | UT18/25          |
| MLIN22 C11**  | 22.24      | 26         | 18         | 10         | 30         | 11         | UT18/25          |
| MLIN25 P9**   | 24.978     | 26         | 18         | 10         | 30         | 12         | UT18/25          |
| MLIN25 P9SM** | 24.978     | 26         | 18         | 10         | 30         | 7.02       | UT18/25          |
| MLIN25 H7**   | 25.021     | 26         | 18         | 10         | 30         | 12         | UT18/25          |
| MLIN25 D10**  | 25.149     | 26         | 18         | 10         | 30         | 12         | UT18/25          |
| MLIN25 C11**  | 25.24      | 26         | 18         | 10         | 30         | 12         | UT18/25          |



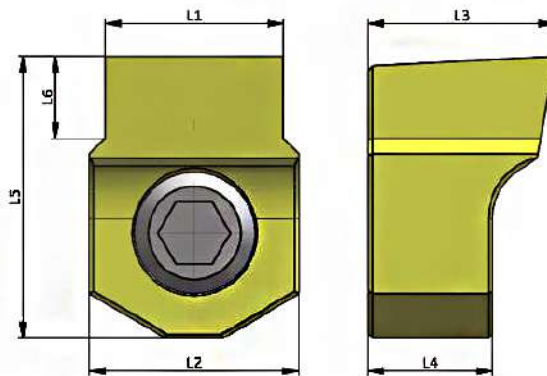
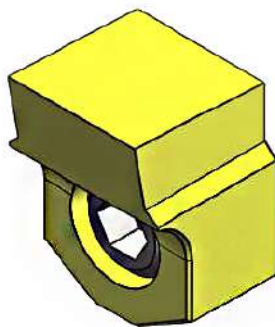
## Inserts (inches)

| CODE         | L1(mm) | L1 (inches) | L2 (inches) | L3 (inches) | L4 (inches) | L5 (inches) | L6 (inches) | Utensile Tool |
|--------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| MLIN3/32"P9  | 23,752 | 0,0935      | 0,1968      | 0,2362      | 0,1968      | 0,2559      | 0,0551      | UT02          |
| MLIN3/32"H7  | 23,912 | 0,0941      | 0,1968      | 0,2362      | 0,1968      | 0,2559      | 0,0551      | UT02          |
| MLIN3/32"D10 | 24,412 | 0,0961      | 0,1968      | 0,2362      | 0,1968      | 0,2559      | 0,0551      | UT02          |
| MLIN3/32"C11 | 25,012 | 0,0984      | 0,1968      | 0,2362      | 0,1968      | 0,2559      | 0,0551      | UT02          |
| MLIN1/8"P9   | 31,630 | 0,1241      | 0,2393      | 0,2559      | 0,1968      | 0,2952      | 0,0905      | UT03          |
| MLIN1/8"H7   | 31,870 | 0,1254      | 0,2393      | 0,2559      | 0,1968      | 0,2952      | 0,0905      | UT03          |
| MLIN1/8"D10  | 32,530 | 0,1280      | 0,2393      | 0,2559      | 0,1968      | 0,2952      | 0,0905      | UT03          |
| MLIN1/8"C11  | 33,200 | 0,1307      | 0,2393      | 0,2559      | 0,1968      | 0,2952      | 0,0905      | UT03          |
| MLIN5/32"P9  | 39,687 | 0,1556      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1141      | UT04          |
| MLIN5/32"H7  | 39,807 | 0,1567      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1141      | UT04          |
| MLIN5/32"D10 | 40,467 | 0,1593      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1141      | UT04          |
| MLIN5/32"C11 | 41,137 | 0,1619      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1141      | UT04          |
| MLIN3/16"P9  | 47,510 | 0,1871      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1299      | UT05          |
| MLIN3/16"H7  | 47,745 | 0,1879      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1299      | UT05          |
| MLIN3/16"D10 | 48,405 | 0,1905      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1299      | UT05          |
| MLIN3/16"C11 | 49,075 | 0,1932      | 0,2393      | 0,2755      | 0,1968      | 0,3149      | 0,1299      | UT05          |
| MLIN1/4"P9   | 6,335  | 0,2494      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1587      | UT06          |
| MLIN1/4"H7   | 6,335  | 0,2505      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1587      | UT06          |
| MLIN1/4"D10  | 6,448  | 0,2538      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1587      | UT06          |
| MLIN1/4"C11  | 6,520  | 0,2566      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1587      | UT06          |
| MLIN9/32"P9  | 71,287 | 0,2806      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1692      | UT08          |
| MLIN9/32"H7  | 71,587 | 0,2818      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1692      | UT08          |
| MLIN9/32"D10 | 72,417 | 0,2851      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1692      | UT08          |
| MLIN9/32"C11 | 73,137 | 0,2879      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1692      | UT08          |
| MLIN5/16"P9  | 79,225 | 0,3119      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1875      | UT08          |
| MLIN5/16"H7  | 79,525 | 0,313       | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1875      | UT08          |
| MLIN5/16"D10 | 80,355 | 0,3163      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1875      | UT08          |
| MLIN5/16"C11 | 81,075 | 0,3191      | 0,3968      | 0,3543      | 0,2362      | 0,5314      | 0,1875      | UT08          |



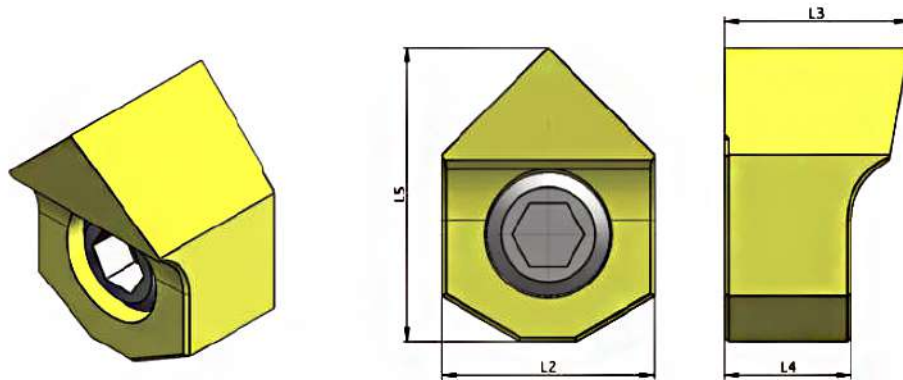
## Inserts (inches)

| CODE         | L1(mm)  | L1 (inches) | L2 (inches) | L3 (inches) | L4 (inches) | L5 (inches) | L6 (inches) | Utensile Tool |
|--------------|---------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| MLIN3/8"P9   | 9,511   | 0,3744      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,2500      | UT10          |
| MLIN3/8"H7   | 9,540   | 0,3755      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,250       | UT10          |
| MLIN3/8"D10  | 9,623   | 0,3788      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,250       | UT10          |
| MLIN3/8"C11  | 9,695   | 0,3816      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,250       | UT10          |
| MLIN7/16"P9  | 110,945 | 0,4367      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,250       | UT12          |
| MLIN7/16"H7  | 111,305 | 0,4382      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,250       | UT12          |
| MLIN7/16"D10 | 112,325 | 0,4422      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,250       | UT12          |
| MLIN7/16"C11 | 113,175 | 0,4455      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,250       | UT12          |
| MLIN1/2"P9   | 12,682  | 0,4992      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,300       | UT12          |
| MLIN1/2"H7   | 12,718  | 0,5007      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,300       | UT12          |
| MLIN1/2"D10  | 128,200 | 0,5047      | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,300       | UT12          |
| MLIN1/2"C11  | 129,050 | 0,508       | 0,5175      | 0,5511      | 0,3937      | 0,7283      | 0,300       | UT12          |
| MLIN9/16"P9  | 142,695 | 0,5617      | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,275       | UT14/16       |
| MLIN9/16"H7  | 143,055 | 0,5632      | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,275       | UT14/16       |
| MLIN9/16"D10 | 144,075 | 0,5672      | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,275       | UT14/16       |
| MLIN9/16"C11 | 144,925 | 0,5705      | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,275       | UT14/16       |
| MLIN5/8"P9   | 158,570 | 0,6242      | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,312       | UT14/16       |
| MLIN5/8"H7   | 158,930 | 0,6257      | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,312       | UT14/16       |
| MLIN5/8"D10  | 159,950 | 0,6297      | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,312       | UT14/16       |
| MLIN5/8"C11  | 16,080  | 0,633       | 0,7086      | 0,5511      | 0,3937      | 0,8661      | 0,312       | UT14/16       |
| MLIN3/4"P9*  | 19,028  | 0,7491      | 10,236      | 0,7086      | 0,3937      | 11,811      | 0,393       | UT18/25       |
| MLIN3/4"H7*  | 19,071  | 0,7508      | 10,236      | 0,7086      | 0,3937      | 11,811      | 0,393       | UT18/25       |
| MLIN3/4"D10* | 19,199  | 0,7558      | 10,236      | 0,7086      | 0,3937      | 11,811      | 0,393       | UT18/25       |
| MLIN3/4"C11* | 19,290  | 0,7594      | 10,236      | 0,7086      | 0,3937      | 11,811      | 0,393       | UT18/25       |



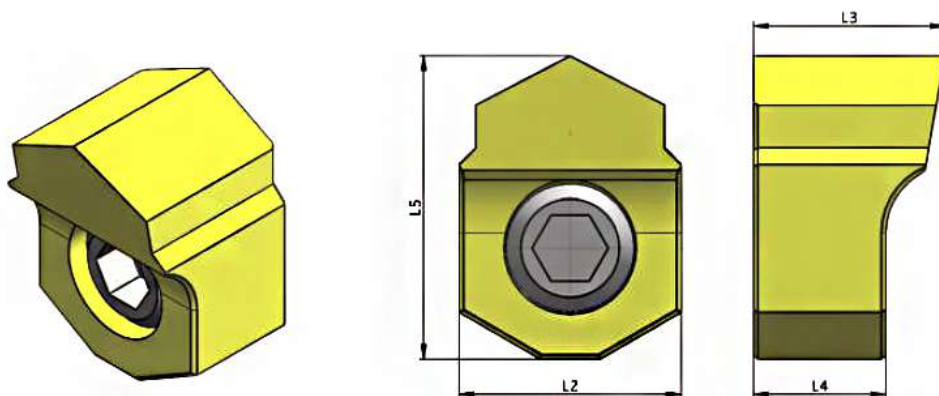
## Inserts for square

| CODICECODE  | Working range (mm) | Working range (inches) | L2(mm) | L3(mm) | L4(mm) | L5(mm) | UtensileTool |
|-------------|--------------------|------------------------|--------|--------|--------|--------|--------------|
| MLINSQ8/10  | 08mm/10mm          | 0,314/0,393            | 6      | 7      | 5      | 7      | UTSQ8/10     |
| MLINSQ10/13 | 10mm/13mm          | 0,393/0,511            | 6      | 7      | 5      | 7,5    | UTSQ10/13    |
| MLINSQ13/16 | 13mm/16mm          | 0,511/0,629            | 10     | 8      | 6      | 12     | UTSQ13/16    |
| MLINSQ16/19 | 16mm/19mm          | 0,629/0,748            | 10     | 8      | 6      | 12,5   | UTSQ16/19    |
| MLINSQ19/27 | 19mm/27mm          | 0,748/1,062            | 13     | 13     | 10     | 17     | UTSQ19/27    |
| MLINSQ27/37 | 27mm/37mm          | 1,062/1,456            | 18     | 14     | 10     | 22     | UTSQ27/37    |
| MLINSQ37/50 | 37mm/50mm          | 1,456/1,968            | 26     | 18     | 10     | 30     | UTSQ37/50    |



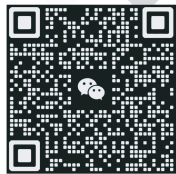
## Inserts for hexagon

| CODICECODE   | Working range (mm) | Working range (inches) | L2(mm) | L3(mm) | L4(mm) | L5(mm) | UtensileTool |
|--------------|--------------------|------------------------|--------|--------|--------|--------|--------------|
| MLINHEX9/11  | 09mm/11mm          | 0,354/0,433            | 6      | 7      | 5      | 7,5    | UTHEX9/11    |
| MLINHEX11/17 | 11mm/17mm          | 0,433/0,669            | 6      | 7      | 5      | 8      | UTHEX11/17   |
| MLINHEX17/28 | 17mm/28mm          | 0,669/1,102            | 10     | 9      | 6      | 13,5   | UTHEX17/28   |
| MLINHEX28/37 | 28mm/37mm          | 1,102/1,456            | 13     | 14     | 10     | 18,5   | UTHEX28/37   |
| MLINHEX37/45 | 37mm/45mm          | 1,456/1,771            | 18     | 14     | 10     | 22     | UTHEX37/45   |
| MLINHEX45/70 | 45mm/70mm          | 1,771/2,755            | 26     | 16     | 10     | 30     | UTHEX45/70   |





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LINE



WhatsApp



TEL : +886-4-22653360

FAX : +886-4-22653386

E-mail : [info@mongtec.com](mailto:info@mongtec.com)

No. 87, Sec. 1, Daqing St., South Dist., Taichung City 402024, Taiwan (R.O.C.)