

Hex Key Chart

Hex Key (also known as Allen Key, Hexagon Key and Socket Key), sizes and its dimensions are used to determine which size hex key is required for use with the applicable fastener depending on the thread size of the fastener.

Most common used to install socket screws the dimensions of Allen keys can be used to check the accessibility of your fastener were space is limited.

For example for an M8 socket cap screw requires at least $32+8(\text{head size}) = 40\text{mm}$ clearance above the screw for easy accessibility.

The table below shows metric Allen key sizes and dimensions for corresponding socket cap screws based on Din 912 standards on thread sizes M3-M24.



| Screw Size (Thread Size) | Allen Key Size Required | A Length (Inches) | A Length (mm) | B Shortest Length (mm) | RS Hex Key Part No. |
|-----------------------------|-------------------------------|-------------------------|---------------------|------------------------------|------------------------|
| M3 | 2.5 | 2.2 | 56 | 18 | 609-562 |
| M4 | 3 | 2.48 | 63 | 20 | 609-556 |
| M5 | 4 | 2.76 | 70 | 25 | 734-911 |
| M6 | 5 | 3.15 | 80 | 28 | 609-534 |
| M8 | 6 | 3.54 | 90 | 32 | 609-528 |
| M10 | 8 | 3.94 | 100 | 36 | 609-512 |
| M12 | 10 | 4.41 | 112 | 40 | 734-955 |
| M14 | 12 | 4.92 | 125 | 45 | 499-2436 |
| M16 | 14 | 5.51 | 140 | 56 | 499-2414 |
| M18 | 14 | 5.51 | 140 | 56 | 499-2414 |
| M20 | 17 | 6.3 | 160 | 63 | 499-2458 |
| M22 | 17 | 6.3 | 160 | 63 | 499-2458 |
| M24 | 19 | 7.09 | 180 | 70 | 499-2442 |

*We also stock a range of hex key sets if you would like a comprehensive set of hex keys for your toolbox.