



TECHNICAL

Spanner Selection for Hex Bolts and Nuts - Metric

| BOLT SIZE | METRIC SPANNER SIZE (mm) | | | | |
|-----------|--|----------|----------------------------|---------|-----------|
| | AS1110 AS1111 AS1112 ISO 4014 | AS1252.1 | DIN931 DIN933 DIN934 | DIN6921 | JIS B1189 |
| M1.6 | 3.2 | | 3.2 | | |
| M2 | 4 | | 4 | | |
| M2.5 | 5 | | 5 | | |
| M3 | 5.5 | | 5.5 | | |
| M4 | 7 | | 7 | | |
| M5 | 8 | | 8 | 8 | 7 |
| M6 | 10 | | 10 | 10 | 8 |
| M7 | 11 | | 11 | 11 | |
| M8 | 13 | | 13 | 13 | 10 |
| M10 | 16 | | 17 | 15 | 13 |
| M12 | 18 | 21 | 19 | 16 | 15 |
| M14 | 21 | | 22 | 18 | 18 |
| M16 | 24 | 27 | 24 | 21 | 21 |
| M18 | 27 | | 27 | | |
| M20 | 30 | 32 | 30 | 27 | |
| M22 | 34 | 36 | 32 | | |
| M24 | 36 | 41 | 36 | | |
| M27 | 41 | 46 | 41 | | |
| M30 | 46 | 50 | 46 | | |
| M33 | 50 | | 50 | | |
| M36 | 55 | 60 | 55 | | |
| M39 | 60 | | 60 | | |
| M42 | 65 | | 65 | | |
| M45 | 70 | | 70 | | |
| M48 | 75 | | 75 | | |
| M52 | 80 | | 80 | | |
| M56 | 85 | | 85 | | |
| M60 | 90 | | 90 | | |
| M64 | 95 | | 95 | | |
| M68 | 100 | | 100 | | |
| M72 | 105 | | 105 | | |
| M76 | 110 | | 110 | | |
| M80 | 115 | | 115 | | |
| M85 | 120 | | 120 | | |
| M90 | 130 | | 130 | | |
| M95 | 135 | | 135 | | |
| M100 | 145 | | 145 | | |
| M105 | 150 | | 150 | | |
| M110 | 155 | | 155 | | |



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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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