

# Metric Fine

## IS1 & IS2

| Size | Pitch | I    | L1   | L2   | D     |  | Drill Size | Flute |
|------|-------|------|------|------|-------|-----------------------------------------------------------------------------------|------------|-------|
| M2.5 | 0.35  | 44.5 | 9.5  | 6.0  | 2.80  | 2.24                                                                              | 2.15       | 3     |
| M3   | 0.35  | 48.0 | 13.0 | 5.0  | 3.15  | 2.50                                                                              | 2.65       | 3     |
| M3.5 | 0.35  | 50.0 | 15.0 | 5.0  | 3.55  | 2.80                                                                              | 3.20       | 3     |
| M4   | 0.50  | 53.0 | 16.0 | 5.0  | 4.00  | 3.15                                                                              | 3.50       | 3     |
| M4.5 | 0.50  | 53.0 | 16.0 | 5.0  | 4.50  | 3.55                                                                              | 4.00       | 3     |
| M5   | 0.50  | 58.0 | 20.0 | 5.0  | 5.00  | 4.00                                                                              | 4.50       | 3     |
| M5.5 | 0.50  | 62.0 | 21.0 | 5.0  | 5.60  | 4.50                                                                              | 5.00       | 3     |
| M6   | 0.75  | 66.0 | 22.0 | 8.0  | 6.30  | 5.00                                                                              | 5.25       | 3     |
| M7   | 0.75  | 66.0 | 22.0 | 8.0  | 7.10  | 5.60                                                                              | 6.30       | 3     |
| M8   | 0.75  | 66.0 | 21.0 | 8.0  | 8.00  | 6.30                                                                              | 7.25       | 3     |
| M8   | 1.00  | 69.0 | 22.0 | 10.0 | 8.00  | 6.30                                                                              | 7.00       | 3     |
| M9   | 0.75  | 66.0 | 20.0 | 10.0 | 9.00  | 7.10                                                                              | 8.25       | 3     |
| M9   | 1.00  | 69.0 | 23.0 | 10.0 | 9.00  | 7.10                                                                              | 8.00       | 3     |
| M10  | 0.75  | 73.0 | 22.0 | 10.0 | 10.00 | 8.00                                                                              | 9.30       | 3     |
| M10  | 1.00  | 76.0 | 25.0 | 10.0 | 10.00 | 8.00                                                                              | 9.00       | 3     |
| M10  | 1.25  | 76.0 | 21.0 | 14.0 | 10.00 | 8.00                                                                              | 8.80       | 3     |

## IS3 & IS4

| Size | Pitch | L    | L2   | D    |  | Drill Size | Flute |
|------|-------|------|------|------|-------------------------------------------------------------------------------------|------------|-------|
| M3   | 0.35  | 48.0 | 5.0  | 2.24 | 1.80                                                                                | 2.65       | 3     |
| M3.5 | 0.35  | 50.0 | 5.0  | 2.50 | 2.00                                                                                | 3.20       | 3     |
| M4   | 0.50  | 53.0 | 5.0  | 3.15 | 2.50                                                                                | 3.50       | 3     |
| M4.5 | 0.50  | 53.0 | 5.0  | 3.55 | 2.80                                                                                | 4.00       | 3     |
| M5   | 0.50  | 58.0 | 5.0  | 4.00 | 3.15                                                                                | 4.50       | 3     |
| M5.5 | 0.50  | 62.0 | 5.0  | 4.00 | 3.15                                                                                | 5.00       | 3     |
| M6   | 0.75  | 66.0 | 8.0  | 4.50 | 3.55                                                                                | 5.25       | 3     |
| M7   | 0.75  | 66.0 | 8.0  | 5.60 | 4.50                                                                                | 6.30       | 3     |
| M8   | 0.75  | 66.0 | 8.0  | 6.30 | 5.00                                                                                | 7.25       | 3     |
| M8   | 1.00  | 69.0 | 10.0 | 6.30 | 5.00                                                                                | 7.00       | 3     |
| M9   | 0.75  | 66.0 | 10.0 | 7.10 | 5.60                                                                                | 8.25       | 3     |
| M9   | 1.00  | 69.0 | 10.0 | 7.10 | 5.60                                                                                | 8.00       | 3     |
| M10  | 0.75  | 73.0 | 10.0 | 8.00 | 6.30                                                                                | 9.30       | 3     |
| M10  | 1.00  | 76.0 | 10.0 | 8.00 | 6.30                                                                                | 9.00       | 3     |
| M10  | 1.25  | 76.0 | 16.0 | 8.00 | 6.30                                                                                | 8.80       | 3     |
| M11  | 0.75  | 80.0 | 10.0 | 8.00 | 6.30                                                                                | 10.25      | 3     |
| M11  | 1.00  | 80.0 | 11.0 | 8.00 | 6.30                                                                                | 10.00      | 3     |
| M12  | 1.00  | 80.0 | 11.0 | 9.00 | 7.10                                                                                | 11.00      | 3     |
| M12  | 1.25  | 84.0 | 15.0 | 9.00 | 7.10                                                                                | 10.75      | 3     |
| M12  | 1.50  | 89.0 | 15.0 | 9.00 | 7.10                                                                                | 10.50      | 3     |

|     |      |       |      |       |       |       |   |
|-----|------|-------|------|-------|-------|-------|---|
| M14 | 1.00 | 87.0  | 11.0 | 11.20 | 9.00  | 13.00 | 3 |
| M14 | 1.25 | 90.0  | 15.0 | 11.20 | 9.00  | 12.75 | 3 |
| M14 | 1.50 | 95.0  | 15.0 | 11.20 | 9.00  | 12.50 | 3 |
| M15 | 1.00 | 87.0  | 12.0 | 11.20 | 9.00  | 14.00 | 3 |
| M15 | 1.50 | 95.0  | 15.0 | 11.20 | 9.00  | 13.50 | 3 |
| M16 | 1.00 | 92.0  | 12.0 | 12.50 | 10.00 | 15.00 | 3 |
| M16 | 1.50 | 102.0 | 15.0 | 12.50 | 10.00 | 14.50 | 3 |
| M17 | 1.00 | 92.0  | 12.0 | 12.50 | 10.00 | 16.00 | 3 |
| M17 | 1.50 | 102.0 | 15.0 | 12.50 | 10.00 | 15.50 | 3 |
| M18 | 1.00 | 97.0  | 13.0 | 14.00 | 11.20 | 17.00 | 4 |
| M18 | 1.50 | 104.0 | 17.0 | 14.00 | 11.20 | 16.50 | 4 |
| M18 | 2.00 | 112.0 | 20.0 | 14.00 | 11.20 | 16.00 | 4 |
| M20 | 1.00 | 102.0 | 14.0 | 14.00 | 11.20 | 19.00 | 4 |
| M20 | 1.50 | 104.0 | 17.0 | 14.00 | 11.20 | 18.50 | 4 |
| M20 | 2.00 | 112.0 | 20.0 | 14.00 | 11.20 | 18.00 | 4 |
| M22 | 1.00 | 109.0 | 14.0 | 16.00 | 12.50 | 21.00 | 4 |
| M22 | 1.50 | 113.0 | 17.0 | 16.00 | 12.50 | 20.50 | 4 |
| M22 | 2.00 | 118.0 | 20.0 | 16.00 | 12.50 | 20.00 | 4 |
| M24 | 1.00 | 114.0 | 15.0 | 18.00 | 14.00 | 23.00 | 4 |
| M24 | 1.50 | 120.0 | 20.0 | 18.00 | 14.00 | 22.50 | 4 |
| M24 | 2.00 | 120.0 | 20.0 | 18.00 | 14.00 | 22.00 | 4 |
| M25 | 1.00 | 114.0 | 15.0 | 18.00 | 14.00 | 24.00 | 4 |
| M25 | 1.50 | 120.0 | 20.0 | 18.00 | 14.00 | 23.50 | 4 |
| M25 | 2.00 | 120.0 | 20.0 | 18.00 | 14.00 | 23.00 | 4 |
| M26 | 1.50 | 120.0 | 20.0 | 18.00 | 14.00 | 24.50 | 4 |
| M27 | 1.00 | 120.0 | 15.0 | 20.00 | 16.00 | 26.00 | 4 |
| M27 | 1.50 | 127.0 | 20.0 | 20.00 | 16.00 | 25.50 | 4 |
| M27 | 2.00 | 127.0 | 20.0 | 20.00 | 16.00 | 25.00 | 4 |
| M28 | 1.00 | 120.0 | 15.0 | 20.00 | 16.00 | 27.00 | 4 |
| M28 | 1.50 | 127.0 | 20.0 | 20.00 | 16.00 | 26.50 | 4 |
| M28 | 2.00 | 127.0 | 20.0 | 20.00 | 16.00 | 26.00 | 4 |
| M30 | 1.00 | 120.0 | 17.0 | 20.00 | 16.00 | 29.00 | 4 |
| M30 | 1.50 | 127.0 | 22.0 | 20.00 | 16.00 | 28.50 | 4 |
| M30 | 2.00 | 127.0 | 22.0 | 20.00 | 16.00 | 28.00 | 4 |
| M30 | 3.00 | 138.0 | 30.0 | 20.00 | 16.00 | 27.00 | 4 |
| M32 | 1.50 | 137.0 | 22.0 | 20.40 | 18.00 | 30.50 | 4 |
| M32 | 2.00 | 137.0 | 22.0 | 22.40 | 18.00 | 30.00 | 4 |
| M33 | 1.50 | 137.0 | 24.0 | 22.40 | 18.00 | 31.50 | 4 |
| M33 | 2.00 | 137.0 | 24.0 | 22.40 | 18.00 | 31.00 | 4 |
| M33 | 3.00 | 151.0 | 30.0 | 22.40 | 18.00 | 30.00 | 4 |
| M35 | 1.50 | 144.0 | 24.0 | 25.00 | 20.00 | 33.50 | 4 |
| M36 | 1.50 | 144.0 | 24.0 | 25.00 | 20.00 | 34.50 | 4 |
| M36 | 2.00 | 144.0 | 24.0 | 25.00 | 20.00 | 34.00 | 4 |
| M36 | 3.00 | 162.0 | 30.0 | 25.00 | 20.00 | 33.00 | 4 |
| M38 | 1.50 | 149.0 | 24.0 | 28.00 | 22.40 | 36.50 | 4 |
| M39 | 1.50 | 149.0 | 25.0 | 28.00 | 22.40 | 37.50 | 4 |
| M39 | 2.00 | 149.0 | 25.0 | 28.00 | 22.40 | 37.00 | 4 |
| M39 | 3.00 | 170.0 | 30.0 | 28.00 | 22.40 | 36.00 | 4 |
| M40 | 1.50 | 149.0 | 25.0 | 28.00 | 22.40 | 38.50 | 6 |
| M40 | 2.00 | 149.0 | 25.0 | 28.00 | 22.40 | 38.00 | 6 |
| M40 | 3.00 | 170.0 | 30.0 | 28.00 | 22.40 | 37.00 | 6 |

|      |      |       |      |       |       |       |   |
|------|------|-------|------|-------|-------|-------|---|
| M42  | 1.50 | 149.0 | 25.0 | 28.00 | 22.40 | 40.50 | 6 |
| M42  | 2.00 | 149.0 | 25.0 | 28.00 | 22.40 | 40.00 | 6 |
| M42  | 3.00 | 170.0 | 30.0 | 28.00 | 22.40 | 39.00 | 6 |
| M42  | 4.00 | 170.0 | 30.0 | 28.00 | 22.40 | 38.00 | 6 |
| M45  | 1.50 | 165.0 | 27.0 | 31.50 | 25.00 | 43.50 | 6 |
| M45  | 2.00 | 165.0 | 27.0 | 31.50 | 25.00 | 43.00 | 6 |
| M45  | 3.00 | 187.0 | 30.0 | 31.50 | 25.00 | 42.00 | 6 |
| M45  | 4.00 | 187.0 | 30.0 | 31.50 | 25.00 | 41.00 | 6 |
| M48  | 1.50 | 165.0 | 27.0 | 31.50 | 25.00 | 46.50 | 6 |
| M48  | 2.00 | 165.0 | 27.0 | 31.50 | 25.00 | 46.00 | 6 |
| M48  | 3.00 | 187.0 | 33.0 | 31.50 | 25.00 | 45.00 | 6 |
| M48  | 4.00 | 187.0 | 33.0 | 31.50 | 25.00 | 44.00 | 6 |
| M50  | 1.50 | 165.0 | 27.0 | 31.50 | 25.00 | 48.50 | 6 |
| M50  | 2.00 | 165.0 | 27.0 | 31.50 | 25.00 | 48.00 | 6 |
| M50  | 3.00 | 187.0 | 33.0 | 31.50 | 25.00 | 47.00 | 6 |
| M3   | 0.35 | 66.0  | 5.0  | 2.24  | 1.80  | 2.65  | 3 |
| M3.5 | 0.35 | 68.0  | 5.0  | 2.50  | 2.00  | 3.20  | 3 |
| M4   | 0.50 | 73.0  | 5.0  | 3.15  | 2.50  | 3.50  | 3 |
| M4.5 | 0.50 | 73.0  | 5.0  | 3.55  | 2.80  | 4.00  | 3 |
| M5   | 0.50 | 79.0  | 5.0  | 4.00  | 3.15  | 4.50  | 3 |
| M5.5 | 0.50 | 84.0  | 5.0  | 4.00  | 3.15  | 5.00  | 3 |
| M6   | 0.75 | 89.0  | 8.0  | 4.50  | 3.55  | 5.25  | 3 |
| M7   | 0.75 | 89.0  | 8.0  | 5.60  | 4.50  | 6.30  | 3 |
| M8   | 0.75 | 91.0  | 8.0  | 6.30  | 5.00  | 7.25  | 3 |
| M8   | 1.00 | 97.0  | 10.0 | 6.30  | 5.00  | 7.00  | 3 |
| M9   | 0.75 | 94.0  | 10.0 | 7.10  | 5.60  | 8.25  | 3 |
| M9   | 1.00 | 97.0  | 10.0 | 7.10  | 5.60  | 8.00  | 3 |
| M10  | 0.75 | 104.0 | 10.0 | 8.00  | 6.30  | 9.25  | 3 |
| M10  | 1.00 | 108.0 | 10.0 | 8.00  | 6.30  | 9.00  | 3 |
| M10  | 1.25 | 108.0 | 16.0 | 8.00  | 6.30  | 8.75  | 3 |
| M11  | 0.75 | 110.0 | 10.0 | 8.00  | 6.30  | 10.25 | 3 |
| M11  | 1.00 | 110.0 | 11.0 | 8.00  | 6.30  | 10.00 | 3 |
| M12  | 1.00 | 110.0 | 11.0 | 9.00  | 7.10  | 11.00 | 3 |
| M12  | 1.25 | 119.0 | 15.0 | 9.00  | 7.10  | 10.75 | 3 |
| M12  | 1.50 | 119.0 | 15.0 | 9.00  | 7.10  | 10.50 | 3 |
| M14  | 1.00 | 124.0 | 11.0 | 11.20 | 9.00  | 13.00 | 3 |
| M14  | 1.25 | 127.0 | 15.0 | 11.20 | 9.00  | 12.75 | 3 |
| M14  | 1.50 | 127.0 | 15.0 | 11.20 | 9.00  | 12.50 | 3 |
| M15  | 1.00 | 124.0 | 12.0 | 11.20 | 9.00  | 14.00 | 3 |
| M15  | 1.50 | 127.0 | 15.0 | 11.20 | 9.00  | 13.50 | 3 |
| M16  | 1.00 | 127.0 | 12.0 | 12.50 | 10.00 | 15.00 | 3 |
| M16  | 1.50 | 137.0 | 15.0 | 12.50 | 10.00 | 14.50 | 3 |
| M17  | 1.00 | 127.0 | 12.0 | 12.50 | 10.00 | 16.00 | 3 |
| M17  | 1.50 | 137.0 | 15.0 | 12.50 | 10.00 | 15.50 | 3 |
| M18  | 1.00 | 135.0 | 13.0 | 14.00 | 11.20 | 17.00 | 4 |
| M18  | 1.50 | 142.0 | 17.0 | 14.00 | 11.20 | 16.50 | 4 |
| M18  | 2.00 | 149.0 | 20.0 | 14.00 | 11.20 | 16.00 | 4 |
| M20  | 1.00 | 140.0 | 14.0 | 14.00 | 11.20 | 19.00 | 4 |
| M20  | 1.50 | 142.0 | 17.0 | 14.00 | 11.20 | 18.50 | 4 |
| M20  | 2.00 | 149.0 | 20.0 | 14.00 | 11.20 | 18.00 | 4 |
| M22  | 1.00 | 149.0 | 14.0 | 16.00 | 12.50 | 21.00 | 4 |

|     |      |       |      |       |       |       |   |
|-----|------|-------|------|-------|-------|-------|---|
| M22 | 1.50 | 153.0 | 17.0 | 16.00 | 12.50 | 20.50 | 4 |
| M22 | 2.00 | 158.0 | 20.0 | 16.00 | 12.50 | 20.00 | 4 |
| M24 | 1.00 | 172.0 | 15.0 | 18.00 | 14.00 | 22.50 | 4 |
| M24 | 1.50 | 172.0 | 20.0 | 18.00 | 14.00 | 22.50 | 4 |
| M24 | 2.00 | 172.0 | 20.0 | 18.00 | 14.00 | 22.00 | 4 |

SHARPPEX