

## Features

- Made from premium HSS for superior hardness, wear resistance, and heat tolerance, ensuring long-lasting durability and consistent performance in manual tapping operations.
- Featuring 3 flutes for smaller sizes (M3–M6) and 4 flutes for larger sizes (M7–M20), the taps allow smooth chip evacuation, reduced cutting torque, and accurate, clean threads.
- With full-thread lengths and precise cutting geometry, these taps are ideal for creating threads close to the bottom of blind holes where standard taps cannot reach.

## Metric Fine Hand Bottom Tap



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

### Metric Fine Hand Bottom Tap

The Metric Hand Bottom Tap is specially designed for creating precise threads at the bottom of blind holes where standard taps cannot reach. Manufactured from High-Speed Steel (HSS), it offers excellent hardness, wear resistance, heat tolerance for long lasting performance in manual tapping applications. The taps features optimised multi-flute geometry, 3 flutes on smaller sizes and 4 flutes on larger sizes, to ensure smooth chip evacuation, reduced cutting torque, and clean, accurate thread formation. With carefully balanced thread and overall lengths, this tap set provides enhanced control and reliability.

### Applications

See cutting data sheet below.

## General Specifications

|                  |                                                  |
|------------------|--------------------------------------------------|
| Cutter Diameter  | TDZ – See table below and detailed image below*  |
| Cut Length       | LU - See table below and detailed image below*   |
| Number of Flutes | 3-4                                              |
| Material         | HSS                                              |
| Overall Length   | LF - See table below and detailed image below*   |
| Shank Type       | Plain                                            |
| Shank Diameter   | DCON – See table below and detailed image below* |
| Centre Cutting   | -                                                |

# Metric Fine Hand Bottom Tap



| Stock No. | Brand  | MPN    | Size TDZ | Pitch TP | Thread Length THL | O/ALL Length LF | DCON | DRVS | No. Of Flutes NOF |
|-----------|--------|--------|----------|----------|-------------------|-----------------|------|------|-------------------|
| -         | RS PRO | 900459 | M3       | 0.35     | 15.0              | 48              | 3.15 | 2.5  | 3                 |
| -         | RS PRO | 900460 | M4       | 0.5      | 17.0              | 53              | 4.0  | 3.15 | 3                 |
| -         | RS PRO | 900461 | M5       | 0.5      | 16.0              | 58              | 5.0  | 4.0  | 3                 |
| -         | RS PRO | 900462 | M6       | 0.75     | 19.0              | 66              | 6.3  | 5.0  | 3                 |
| -         | RS PRO | 900332 | M6       | 0.5      | 19.0              | 66              | 6.3  | 5.0  | 3                 |
| -         | RS PRO | 900463 | M7       | 0.75     | 19.0              | 66              | 7.1  | 5.6  | 4                 |
| -         | RS PRO | 900464 | M8       | 1.0      | 22.0              | 72              | 8.0  | 6.3  | 4                 |
| -         | RS PRO | 900333 | M8       | 0.75     | 22.0              | 72              | 8.0  | 6.3  | 4                 |
| -         | RS PRO | 900337 | M8       | 0.5      | 22.0              | 72              | 8.0  | 6.3  | 4                 |
| -         | RS PRO | 900465 | M9       | 1.0      | 22.0              | 72              | 9.0  | 7.1  | 4                 |
| -         | RS PRO | 900466 | M10      | 1.25     | 24.0              | 80              | 10.0 | 8.0  | 4                 |
| -         | RS PRO | 900334 | M10      | 1.0      | 24.0              | 80              | 10.0 | 8.0  | 4                 |
| -         | RS PRO | 900338 | M10      | 0.75     | 24.0              | 80              | 10.0 | 8.0  | 4                 |
| -         | RS PRO | 900467 | M11      | 1.0      | 25.0              | 85              | 8.0  | 6.3  | 4                 |
| -         | RS PRO | 900327 | M12      | 1.25     | 29.0              | 89              | 9.0  | 7.1  | 4                 |
| -         | RS PRO | 900339 | M12      | 1.0      | 29.0              | 89              | 9.0  | 7.1  | 4                 |
| -         | RS PRO | 900335 | M12      | 1.5      | 29.0              | 89              | 9.0  | 7.1  | 4                 |
| -         | RS PRO | 900328 | M14      | 1.5      | 30.0              | 95              | 11.2 | 9.0  | 4                 |
| -         | RS PRO | 900336 | M14      | 1.25     | 30.0              | 95              | 11.2 | 9.0  | 4                 |
| -         | RS PRO | 900340 | M14      | 1.0      | 30.0              | 95              | 11.2 | 9.0  | 4                 |
| -         | RS PRO | 900329 | M16      | 1.5      | 32.0              | 102             | 12.5 | 10.0 | 4                 |
| -         | RS PRO | 900341 | M16      | 1.0      | 32.0              | 102             | 12.5 | 10.0 | 4                 |
| -         | RS PRO | 900330 | M18      | 1.5      | 37.0              | 112             | 14.0 | 11.2 | 4                 |
| -         | RS PRO | 900342 | M18      | 1.0      | 37.0              | 112             | 14.0 | 11.2 | 4                 |
| -         | RS PRO | 900331 | M20      | 1.5      | 37.0              | 112             | 14.0 | 11.2 | 4                 |

## Approvals

|                              |         |
|------------------------------|---------|
| Declarations                 | n/a     |
| Hazardous Area Certification | n/a     |
| Standards Met                | ISO 529 |

\*

## Cutting Data