

# REAMERS



## **Reamers**

- Hand
- Machine (Morse Taper & Chucking)
- Bridge
- Taper Pin
- Morse Taper Socket
- Taper Pipe
- Adjustable

# the ultimate reference book is here...

## BLACK BOOK

The ultimate reference book:

- Matt laminated grease proof pages
- Wire bound to stay flat on workbench when reading
- Ideal for engineers, trades people, apprentices, machine shops, tool rooms, technical colleges

### Engineers Black Book

- Tables • Standards • Illustrations
- Grinding wheels • Conversion factors
- Tapers • Lubricants-coolants • G Codes
- Spur gear calculations • Tolerances
- Hardening & tempering • Weights of metal
- Geometrical construction • Formulae
- Engineering drawing standards • Plastics
- Bolts & nuts • Tungsten carbide
- Keys & keyways • Tapping drill sizes
- Speeds & feeds • Equivalent charts
- Sharpening information

### Fastener Black Book

- Screw thread fundamentals • Standards
- Thread classes • Thread terminology
- Grades • Heat treatment • Material selection
- Materials & coatings • Failures & corrosion
- Fastener strengths & markings • Platings
- Tolerances • Hydrogen embrittlement
- Screw thread profiles • Torque control
- Galling • Elevated temperature effects
- Dimensional Specifications DIN / ISO / ANSI

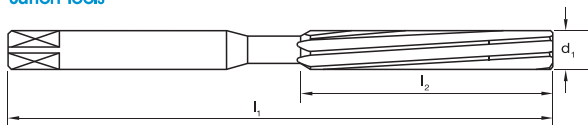




● Optimal ○ Effective



- For use by hand with suitable wrench
- Suitable for tool rooms & workshop use
- Produces clean, accurate holes, to a H7 plus tolerance



Catalogue Code Size Ref.



| Size Ref. | d <sub>1</sub> | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | z | Item #    |
|-----------|----------------|----------------|----------------|----------------|----------------|---|-----------|
| 0300      | 3.00           | 62             | 31             | -              |                | 6 | R100 0300 |
| 0318      | 3.17 1/8       | 2-5/8          | 1-5/16         | -              |                | 6 | R100 0318 |
| 0350      | 3.50           | 71             | 35             | -              |                | 6 | R100 0350 |
| 0357      | 3.57 9/64      | 2-3/16         | 1-3/8          | -              |                | 6 | R100 0357 |
| 0397      | 3.97 5/32      | 3              | 1-1/2          | -              |                | 6 | R100 0397 |
| 0400      | 4.00           | 76             | 38             | -              |                | 6 | R100 0400 |
| 0437      | 4.36 11/64     | 3-3/16         | 1-5/8          | -              |                | 6 | R100 0437 |
| 0450      | 4.50           | 81             | 41             | -              |                | 6 | R100 0450 |
| 0476      | 4.76 3/16      | 3-7/16         | 1-3/4          | -              |                | 6 | R100 0476 |
| 0500      | 5.00           | 87             | 44             | -              |                | 6 | R100 0500 |
| 0516      | 5.16 13/64     | 3-7/16         | 1-3/4          | -              |                | 6 | R100 0516 |
| 0550      | 5.50           | 93             | 47             | -              |                | 6 | R100 0550 |
| 0556      | 5.56 7/32      | 3-11/16        | 1-7/8          | -              |                | 6 | R100 0556 |
| 0595      | 5.95 15/64     | 3-11/16        | 1-7/8          | -              |                | 6 | R100 0595 |
| 0600      | 6.00           | 93             | 47             | -              |                | 6 | R100 0600 |
| 0635      | 6.35 1/4       | 3-15/16        | 2              | -              |                | 6 | R100 0635 |
| 0650      | 6.50           | 100            | 50             | -              |                | 6 | R100 0650 |
| 0675      | 6.75 17/64     | 3-15/16        | 2              | -              |                | 6 | R100 0675 |
| 0700      | 7.00           | 107            | 54             | -              |                | 6 | R100 0700 |
| 0714      | 7.14 9/32      | 4-3/16         | 2-1/8          | -              |                | 6 | R100 0714 |
| 0750      | 7.50           | 107            | 54             | -              |                | 6 | R100 0750 |
| 0754      | 7.54 19/64     | 4-3/16         | 2-1/8          | -              |                | 6 | R100 0754 |
| 0794      | 7.94 5/16      | 4-1/2          | 2-1/4          | -              |                | 6 | R100 0794 |
| 0800      | 8.00           | 115            | 58             | -              |                | 6 | R100 0800 |
| 0833      | 8.33 21/64     | 4-7/8          | 2-1/4          | -              |                | 6 | R100 0833 |
| 0850      | 8.50           | 115            | 58             | -              |                | 6 | R100 0850 |
| 0873      | 8.73 11/32     | 4-7/8          | 2-7/16         | -              |                | 6 | R100 0873 |
| 0900      | 9.00           | 124            | 62             | -              |                | 6 | R100 0900 |
| 0913      | 9.13 23/64     | 4-7/8          | 2-7/16         | -              |                | 8 | R100 0913 |
| 0950      | 9.50           | 124            | 62             | -              |                | 6 | R100 0950 |
| 0953      | 9.52 3/8       | 5-1/4          | 2-5/8          | -              |                | 8 | R100 0953 |
| 0992      | 9.92 25/64     | 5-1/4          | 2-5/8          | -              |                | 8 | R100 0992 |
| 1000      | 10.00          | 133            | 66             | -              |                | 6 | R100 1000 |
| 1032      | 10.32 13/32    | 5-1/4          | 2-5/8          | -              |                | 8 | R100 1032 |
| 1050      | 10.50          | 133            | 66             | -              |                | 6 | R100 1050 |
| 1100      | 11.00          | 142            | 71             | -              |                | 6 | R100 1100 |
| 1111      | 11.11 7/16     | 5-5/8          | 2-13/16        | -              |                | 8 | R100 1111 |
| 1150      | 11.50          | 142            | 71             | -              |                | 6 | R100 1150 |
| 1151      | 11.51 29/64    | 5-5/8          | 2-13/16        | -              |                | 8 | R100 1151 |
| 1191      | 11.91 15/32    | 6              | 3              | -              |                | 8 | R100 1191 |
| 1200      | 12.00          | 152            | 76             | -              |                | 6 | R100 1200 |
| 1230      | 12.30 31/64    | 6              | 3              | -              |                | 8 | R100 1230 |
| 1250      | 12.50          | 152            | 76             | -              |                | 6 | R100 1250 |
| 1270      | 12.70 1/2      | 6              | 3              | -              |                | 8 | R100 1270 |

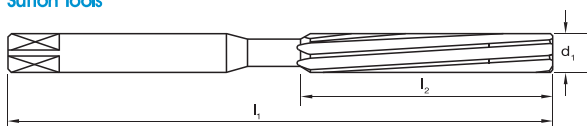


|                           |             |
|---------------------------|-------------|
| Catalogue Code            | <b>R100</b> |
| Discount Group            | B0302       |
| Material                  | <b>HSS</b>  |
| Surface Finish            | <b>Brt</b>  |
| Colour Ring & Application | <b>N</b>    |
| Geometry                  | L10         |

# Reamers Hand



- For use by hand with suitable wrench
- Suitable for tool rooms & workshop use
- Produces clean, accurate holes, to a H7 plus tolerance



Catalogue Code Size Ref.



Item #



|                           |             |
|---------------------------|-------------|
| Catalogue Code            | <b>R100</b> |
| Discount Group            | B0302       |
| Material                  | <b>HSS</b>  |
| Surface Finish            | <b>Brt</b>  |
| Colour Ring & Application | <b>N</b>    |
| Geometry                  | L10         |

| Size Ref.   | d <sub>1</sub>     | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | z  | Item #    |
|-------------|--------------------|----------------|----------------|----------------|----------------|----|-----------|
| <b>1300</b> | <b>13.00</b>       | 152            | 76             | -              |                | 6  | R100 1300 |
| <b>1310</b> | 13.10 <b>33/64</b> | 6              | 3              | -              |                | 8  | R100 1310 |
| <b>1349</b> | 13.49 <b>17/32</b> | 6-7/16         | 3-3/16         | -              |                | 8  | R100 1349 |
| <b>1389</b> | <b>35/64</b>       | 6-7/16         | 3-3/16         | -              |                | 8  | R100 1389 |
| <b>1350</b> | <b>13.50</b>       | 163            | 81             | -              |                | 6  | R100 1350 |
| <b>1400</b> | <b>14.00</b>       | 163            | 81             | -              |                | 8  | R100 1400 |
| <b>1429</b> | 14.29 <b>9/16</b>  | 6-7/16         | 3-3/16         | -              |                | 8  | R100 1429 |
| <b>1450</b> | <b>14.50</b>       | 163            | 81             | -              |                | 8  | R100 1450 |
| <b>1468</b> | 14.68 <b>37/64</b> | 6-7/16         | 3-3/16         | -              |                | 8  | R100 1468 |
| <b>1500</b> | <b>15.00</b>       | 163            | 81             | -              |                | 8  | R100 1500 |
| <b>1508</b> | 15.08 <b>19/32</b> | 6-7/8          | 3-7/16         | -              |                | 8  | R100 1508 |
| <b>1548</b> | <b>39/64</b>       | 6-7/8          | 3-7/16         | -              |                | 8  | R100 1548 |
| <b>1588</b> | 15.87 <b>5/8</b>   | 6-7/8          | 3-7/16         | -              |                | 8  | R100 1588 |
| <b>1600</b> | <b>16.00</b>       | 175            | 87             | -              |                | 8  | R100 1600 |
| <b>1627</b> | 16.27 <b>41/64</b> | 6-7/8          | 3-7/16         | -              |                | 8  | R100 1627 |
| <b>1667</b> | 16.67 <b>21/32</b> | 6-7/8          | 3-7/16         | -              |                | 8  | R100 1667 |
| <b>1700</b> | <b>17.00</b>       | 175            | 87             | -              |                | 8  | R100 1700 |
| <b>1707</b> | 17.06 <b>43/64</b> | 7-7/16         | 3-11/16        | -              |                | 8  | R100 1707 |
| <b>1746</b> | 17.46 <b>11/16</b> | 7-7/16         | 3-11/16        | -              |                | 8  | R100 1746 |
| <b>1800</b> | <b>18.00</b>       | 188            | 93             | -              |                | 8  | R100 1800 |
| <b>1826</b> | 18.26 <b>23/32</b> | 7-7/16         | 3-11/16        | -              |                | 8  | R100 1826 |
| <b>1900</b> | <b>19.00</b>       | 188            | 93             | -              |                | 8  | R100 1900 |
| <b>1905</b> | 19.05 <b>3/4</b>   | 7-15/16        | 3-15/16        | -              |                | 10 | R100 1905 |
| <b>1984</b> | 19.84 <b>25/32</b> | 7-15/16        | 3-15/16        | -              |                | 10 | R100 1984 |
| <b>2000</b> | <b>20.00</b>       | 201            | 100            | -              |                | 8  | R100 2000 |
| <b>2064</b> | 20.64 <b>13/16</b> | 7-15/16        | 3-15/16        | -              |                | 10 | R100 2064 |
| <b>2100</b> | <b>21.00</b>       | 201            | 100            | -              |                | 8  | R100 2100 |
| <b>2143</b> | 21.43 <b>27/32</b> | 8-1/2          | 4-3/16         | -              |                | 10 | R100 2143 |
| <b>2200</b> | <b>22.00</b>       | 215            | 107            | -              |                | 8  | R100 2200 |
| <b>2223</b> | 22.22 <b>7/8</b>   | 8-1/2          | 4-3/16         | -              |                | 10 | R100 2223 |
| <b>2300</b> | <b>23.00</b>       | 215            | 107            | -              |                | 8  | R100 2300 |
| <b>2302</b> | 23.02 <b>29/32</b> | 8-1/2          | 4-3/16         | -              |                | 10 | R100 2302 |
| <b>2381</b> | 23.81 <b>15/16</b> | 9-1/16         | 4-1/2          | -              |                | 10 | R100 2381 |
| <b>2400</b> | <b>24.00</b>       | 231            | 115            | -              |                | 8  | R100 2400 |
| <b>2461</b> | 24.61 <b>31/32</b> | 9-1/16         | 4-1/2          | -              |                | 10 | R100 2461 |
| <b>2500</b> | <b>25.00</b>       | 231            | 115            | -              |                | 10 | R100 2500 |
| <b>2540</b> | 25.40 <b>1</b>     | 9-1/16         | 4-1/2          | -              |                | 10 | R100 2540 |
|             |                    |                |                |                |                |    |           |
|             |                    |                |                |                |                |    |           |
|             |                    |                |                |                |                |    |           |
|             |                    |                |                |                |                |    |           |
|             |                    |                |                |                |                |    |           |



Sutton Tools

- 
- A schematic diagram of a tapered shaft. The shaft has a total length  $l_1$  and a splined section of length  $l_2$ . The diameter of the splined section is  $d_1$ . The shaft is shown in a perspective view, with the splined section at the right end.



Item #



## Geometry

L10



- 
- A diagram of a mechanical shaft. The shaft has a total length  $l_1$ . The right end of the shaft is threaded with a diameter  $d_1$ . The length of the threaded section is  $l_2$ . The shaft has a tapered section on the left and a cylindrical section in the middle.



**R300** **0300**

Item #



## Geometry

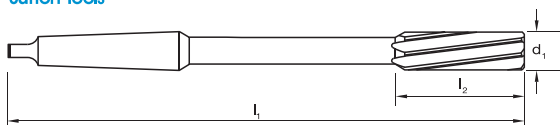
L10

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# Reamers Machine



- Machine use
- Suitable for toolroom & workshop use
- Produces clean, accurate holes, to a H7 plus tolerance



Catalogue Code Size Ref.



Item #

| Size Ref.   | d <sub>1</sub>      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | z  | MT # | Item #    |
|-------------|---------------------|----------------|----------------|----------------|----------------|----|------|-----------|
| <b>2350</b> | <b>23.50</b>        | 241            | 66             | -              | -              | 8  | 3    | R101 2350 |
| <b>2381</b> | 23.81 <b>15/16</b>  | 10-35/64       | 2-11/16        | -              | -              | 8  | 3    | R101 2381 |
| <b>2400</b> | <b>24.00</b>        | 268            | 68             | -              | -              | 8  | 3    | R101 2400 |
| <b>2450</b> | <b>24.50</b>        | 268            | 68             | -              | -              | 8  | 3    | R101 2450 |
| <b>2461</b> | 24.61 <b>31/32</b>  | 10-35/64       | 2-11/16        | -              | -              | 8  | 3    | R101 2461 |
| <b>2500</b> | <b>25.00</b>        | 268            | 68             | -              | -              | 10 | 3    | R101 2500 |
| <b>2540</b> | 25.40 <b>1</b>      | 10-35/64       | 2-11/16        | -              | -              | 8  | 3    | R101 2540 |
| <b>2550</b> | <b>25.50</b>        | 273            | 70             | -              | -              | 10 | 3    | R101 2550 |
| <b>2600</b> | <b>26.00</b>        | 273            | 70             | -              | -              | 10 | 3    | R101 2600 |
| <b>2650</b> | <b>26.50</b>        | 273            | 70             | -              | -              | 10 | 3    | R101 2650 |
| <b>2699</b> | 26.99 <b>1-1/16</b> | 10-29/32       | 2-51/64        | -              | -              | 10 | 3    | R101 2699 |
| <b>2700</b> | <b>27.00</b>        | 277            | 71             | -              | -              | 10 | 3    | R101 2700 |
| <b>2750</b> | <b>27.50</b>        | 277            | 71             | -              | -              | 10 | 3    | R101 2750 |
| <b>2800</b> | <b>28.00</b>        | 277            | 71             | -              | -              | 10 | 3    | R101 2800 |
| <b>2850</b> | <b>28.50</b>        | 281            | 73             | -              | -              | 10 | 3    | R101 2850 |
| <b>2858</b> | 28.57 <b>1-1/8</b>  | 11-1/16        | 2-7/8          | -              | -              | 10 | 3    | R101 2858 |
| <b>2900</b> | <b>29.00</b>        | 281            | 73             | -              | -              | 10 | 3    | R101 2900 |
| <b>2950</b> | <b>29.50</b>        | 281            | 73             | -              | -              | 10 | 3    | R101 2950 |
| <b>3000</b> | <b>30.00</b>        | 281            | 73             | -              | -              | 10 | 3    | R101 3000 |
| <b>3016</b> | 30.16 <b>1-3/16</b> | 11-7/32        | 2-61/64        | -              | -              | 10 | 3    | R101 3016 |
| <b>3050</b> | <b>30.50</b>        | 285            | 75             | -              | -              | 10 | 3    | R101 3050 |
| <b>3100</b> | <b>31.00</b>        | 285            | 75             | -              | -              | 10 | 3    | R101 3100 |
| <b>3150</b> | <b>31.50</b>        | 285            | 75             | -              | -              | 10 | 3    | R101 3150 |
| <b>3175</b> | 31.75 <b>1-1/4</b>  | 11-27/64       | 3-1/32         | -              | -              | 10 | 3    | R101 3175 |
|             |                     |                |                |                |                |    |      |           |
| <b>3200</b> | <b>32.00</b>        | 317            | 77             | -              | -              | 10 | 4    | R101 3200 |
| <b>3300</b> | <b>33.00</b>        | 317            | 77             | -              | -              | 10 | 4    | R101 3300 |
| <b>3334</b> | 33.34 <b>1-5/16</b> | 12-31/64       | 3-1/32         | -              | -              | 10 | 4    | R101 3334 |
| <b>3400</b> | <b>34.00</b>        | 321            | 78             | -              | -              | 10 | 4    | R101 3400 |
| <b>3493</b> | 34.92 <b>1-3/8</b>  | 12-41/64       | 3-1/16         | -              | -              | 10 | 4    | R101 3493 |
| <b>3500</b> | <b>35.00</b>        | 321            | 78             | -              | -              | 10 | 4    | R101 3500 |
| <b>3600</b> | <b>36.00</b>        | 325            | 79             | -              | -              | 12 | 4    | R101 3600 |
| <b>3651</b> | 36.51 <b>1-7/16</b> | 12-51/64       | 3-7/64         | -              | -              | 12 | 4    | R101 3651 |
| <b>3700</b> | <b>37.00</b>        | 325            | 79             | -              | -              | 12 | 4    | R101 3700 |
| <b>3800</b> | <b>38.00</b>        | 329            | 81             | -              | -              | 12 | 4    | R101 3800 |
| <b>3810</b> | 38.10 <b>1-1/2</b>  | 12-61/64       | 3-1/4          | -              | -              | 12 | 4    | R101 3810 |
| <b>3900</b> | <b>39.00</b>        | 329            | 81             | -              | -              | 12 | 4    | R101 3900 |
| <b>4000</b> | <b>40.00</b>        | 329            | 81             | -              | -              | 12 | 4    | R101 4000 |
| <b>4128</b> | 41.27 <b>1-5/8</b>  | 13-7/64        | 3-15/64        | -              | -              | 12 | 4    | R101 4128 |
| <b>4445</b> | 44.45 <b>1-3/4</b>  | 13-7/32        | 3-17/64        | -              | -              | 12 | 4    | R101 4445 |
| <b>4763</b> | 47.62 <b>1-7/8</b>  | 13-35/64       | 3-25/64        | -              | -              | 12 | 4    | R101 4763 |
| <b>5080</b> | 50.80 <b>2</b>      | 13-35/64       | 3-25/64        | -              | -              | 12 | 4    | R101 5080 |



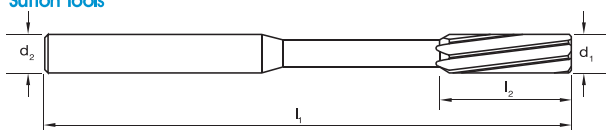
|                           |             |
|---------------------------|-------------|
| Catalogue Code            | <b>R101</b> |
| Discount Group            | B0302       |
| Material                  | <b>HSS</b>  |
| Surface Finish            | <b>Brt</b>  |
| Colour Ring & Application | <b>N</b>    |
| Geometry                  | L10         |



# Reamers Chucking



- Machine use
- Suitable for toolroom & workshop use
- Produces clean, accurate holes, to a H7 plus tolerance



Catalogue Code Size Ref.



Catalogue Code  
Discount Group  
Material  
Surface Finish  
Colour Ring & Application  
Geometry

**R102**

B0302

**HSS Co**

**Brt**

**N**

L10

| Size Ref.    | d <sub>1</sub>    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | z | Item #    |
|--------------|-------------------|----------------|----------------|----------------|----------------|---|-----------|
| <b>0200</b>  | <b>2.00</b>       | 49             | 11             | -              | 2.0            | 3 | R102 0200 |
| <b>0250</b>  | <b>2.50</b>       | 57             | 14             | -              | 2.5            | 5 | R102 0250 |
| <b>0300</b>  | <b>3.00</b>       | 61             | 15             | -              | 3.0            | 5 | R102 0300 |
| <b>0318</b>  | 3.17 <b>1/8</b>   | 2-9/16         | 5/8            | -              | 3.2            | 5 | R102 0318 |
| <b>0350</b>  | <b>3.50</b>       | 70             | 18             | -              | 3.5            | 5 | R102 0350 |
| <b>0357</b>  | 3.57 <b>9/64</b>  | 2-3/4          | 45/64          | -              | 3.6            | 5 | R102 0357 |
| <b>0397</b>  | 3.97 <b>5/32</b>  | 2-61/64        | 3/4            | -              | 4.0            | 6 | R102 0397 |
| <b>0400</b>  | <b>4.00</b>       | 75             | 19             | -              | 4.0            | 6 | R102 0400 |
| <b>0437*</b> | 4.36 <b>11/64</b> | 3-9/64         | 53/64          | -              | 4.5            | 6 | R102 0437 |
| <b>0450</b>  | <b>4.50</b>       | 80             | 21             | -              | 4.5            | 6 | R102 0450 |
| <b>0476</b>  | 4.76 <b>3/16</b>  | 3-25/64        | 29/32          | -              | 5.0            | 6 | R102 0476 |
| <b>0500</b>  | <b>5.00</b>       | 86             | 23             | -              | 5.0            | 6 | R102 0500 |
| <b>0516</b>  | 5.16 <b>13/64</b> | 3-25/64        | 29/32          | -              | 5.0            | 6 | R102 0516 |
| <b>0550</b>  | <b>5.50</b>       | 93             | 26             | -              | 5.6            | 6 | R102 0550 |
| <b>0556*</b> | 5.56 <b>7/32</b>  | 3-21/32        | 1-1/64         | -              | 5.6            | 6 | R102 0556 |
| <b>0595</b>  | 5.95 <b>15/64</b> | 3-21/32        | 1-1/64         | -              | 5.6            | 6 | R102 0595 |
| <b>0600</b>  | <b>6.00</b>       | 93             | 26             | -              | 5.6            | 6 | R102 0600 |
| <b>0635</b>  | 6.35 <b>1/4</b>   | 3-63/64        | 1-7/64         | -              | 6.3            | 6 | R102 0635 |
| <b>0650</b>  | <b>6.50</b>       | 101            | 28             | -              | 6.3            | 6 | R102 0650 |
| <b>0700</b>  | <b>7.00</b>       | 109            | 31             | -              | 7.1            | 6 | R102 0700 |
| <b>0750</b>  | <b>7.50</b>       | 109            | 31             | -              | 7.1            | 6 | R102 0750 |
| <b>0794</b>  | 7.94 <b>5/16</b>  | 4-39/64        | 1-15/64        | -              | 8.0            | 6 | R102 0794 |
| <b>0800</b>  | <b>8.00</b>       | 117            | 33             | -              | 8.0            | 6 | R102 0800 |
| <b>0850</b>  | <b>8.50</b>       | 117            | 33             | -              | 8.0            | 6 | R102 0850 |
| <b>0900</b>  | <b>9.00</b>       | 125            | 36             | -              | 9.0            | 6 | R102 0900 |
| <b>0950</b>  | <b>9.50</b>       | 125            | 36             | -              | 9.0            | 6 | R102 0950 |
| <b>0953</b>  | 9.52 <b>3/8</b>   | 5-15/64        | 1-1/2          | -              | 10.0           | 6 | R102 0953 |
| <b>1000</b>  | <b>10.00</b>      | 133            | 38             | -              | 10.0           | 6 | R102 1000 |
| <b>1050</b>  | <b>10.50</b>      | 133            | 38             | -              | 10.0           | 6 | R102 1050 |
| <b>1100</b>  | <b>11.00</b>      | 142            | 41             | -              | 10.0           | 6 | R102 1100 |
| <b>1111</b>  | 11.11 <b>7/16</b> | 5-19/32        | 1-5/8          | -              | 10.0           | 6 | R102 1111 |
| <b>1150</b>  | <b>11.50</b>      | 142            | 41             | -              | 10.0           | 6 | R102 1150 |
| <b>1200</b>  | <b>12.00</b>      | 151            | 44             | -              | 10.0           | 6 | R102 1200 |
| <b>1250</b>  | <b>12.50</b>      | 151            | 44             | -              | 10.0           | 6 | R102 1250 |
| <b>1270</b>  | 12.70 <b>1/2</b>  | 5-61/64        | 1-47/64        | -              | 10.0           | 6 | R102 1270 |
| <b>1300</b>  | <b>13.00</b>      | 151            | 44             | -              | 10.0           | 6 | R102 1300 |
| <b>1350</b>  | <b>13.50</b>      | 160            | 47             | -              | 12.5           | 6 | R102 1350 |
| <b>1400</b>  | <b>14.00</b>      | 160            | 47             | -              | 12.5           | 8 | R102 1400 |
| <b>1429</b>  | 14.29 <b>9/16</b> | 6-3/8          | 1-31/32        | -              | 12.5           | 8 | R102 1429 |
| <b>1450</b>  | <b>14.50</b>      | 162            | 50             | -              | 12.5           | 8 | R102 1450 |
| <b>1500</b>  | <b>15.00</b>      | 162            | 50             | -              | 12.5           | 8 | R102 1500 |
| <b>1550</b>  | <b>15.50</b>      | 170            | 52             | -              | 12.5           | 8 | R102 1550 |
| <b>1588</b>  | 15.87 <b>5/8</b>  | 6-45/64        | 2-3/64         | -              | 12.5           | 8 | R102 1588 |
| <b>1600</b>  | <b>16.00</b>      | 170            | 52             | -              | 12.5           | 8 | R102 1600 |

\* Not available once current stock is depleted.



Sutton Tools

- 
- A technical diagram of a drill bit. The bit has a cylindrical handle on the left and a double-flute cutting edge on the right. The cutting edge is divided into three segments: a central segment of length  $l_2$  with diameter  $d_1$ , and two side segments of length  $l_3$  each, with diameter  $d_2$ . The total length of the cutting edge is  $l_1$ .



**R300**   **0300**

Item #



## Geometry

L15

[illegible]



- 

**R300 0300**  
Item #



## Geometry

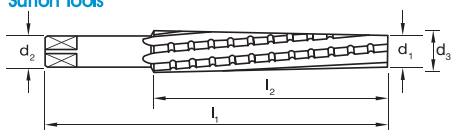
L7

[illegible]



Sutton Tools

- For use by hand with suitable wrench
- Suitable for tool rooms & workshop use
- Rougher, opens out existing parallel holes
- Finishing, to be used after rougher for final sizing



| Catalogue Code | Size | Ref. |
|----------------|------|------|
|----------------|------|------|

**R300 0300**

Item #

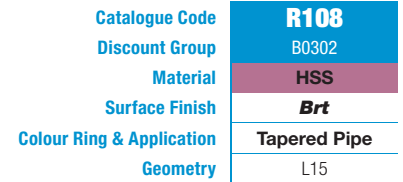
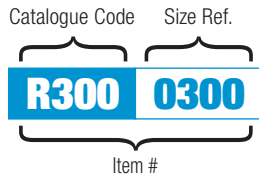
[illegible]





**Sutton Tools**

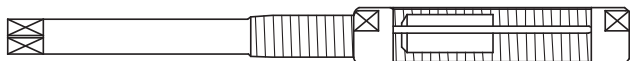
- 

437



Sutton Tools

- For use by hand with suitable wrench
- General purpose
- Adjustable size range
- TCA (Tungsten Chrome Alloy)



| Catalogue Code | Size | Ref. |
|----------------|------|------|
|----------------|------|------|

**R300 0300**

Item #

**Catalogue Code**

### Discount Group

## Material

### Surface Finish

## Colour Ring & Application

## Geometry

|     | Adjustable Reamer Set       | Pieces |
|-----|-----------------------------|--------|
| M1  | MA4 to ME (Reamers Only)    | 8      |
| M2P | MA to MH (Reamers & Pilots) | 16     |
| M3  | MA4 to MH (Reamers Only)    | 11     |
| M6  | MA8 to MK (Reamers Only)    | 18     |
| M8  | MA to MI (Reamers Only)     | 9      |

### Adjustable Reamer Pilot Set

|            |                        |   |
|------------|------------------------|---|
| <b>MA1</b> | MA to MI (Pilots Only) | 9 |
|------------|------------------------|---|



R111 MA1



R109 M8

[illegible]