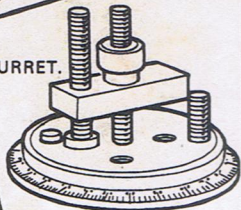


Components of the BOREMASTER System

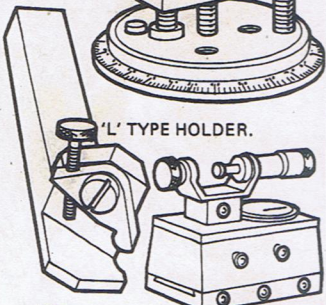
SPACEMAKER.



NO. 2 TURRET.

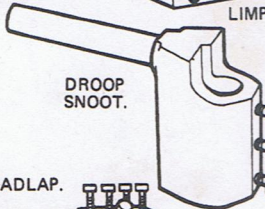


'L' TYPE HOLDER.

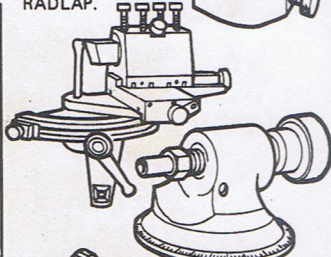


LIMPET.

DROOP SNOOT.



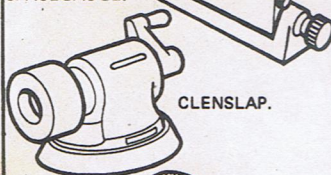
RADLAP.



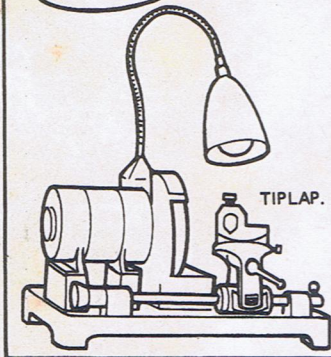
DRILL POINT ATTACHMENT.



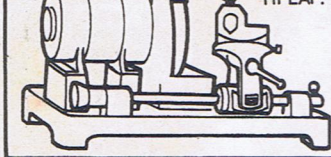
SPACEGAUGE.



CLENSLAP.

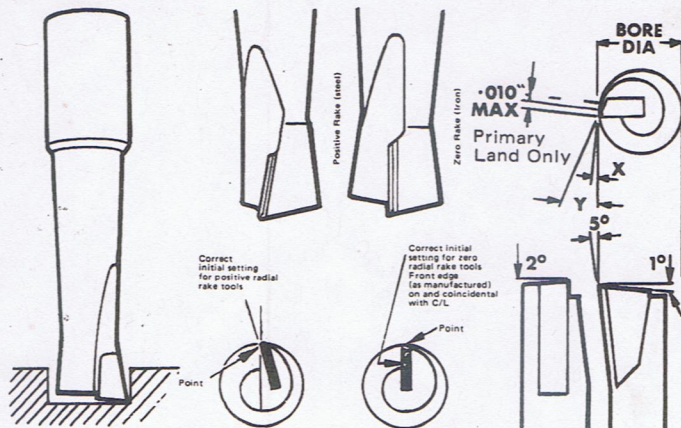


TIPLAP.



SPACEMAKER

A boring tool designed by Experts for Experts. It is a technological 'breakthrough' in tool tip design which meets the challenge of the present-day call for high speed precision machining and longer intervals between tool tip repair.



| BORE DIA. | X | Y |
|-----------|--------|-----|
| .125 | 59°30' | 15° |
| .187 | 49°30' | " |
| .250 | 39°30' | " |
| .312 | 39°00' | " |
| .375 | 39°00' | " |
| .437 | 39°00' | " |
| .500 | 29°30' | " |
| .562 | 29°30' | " |
| .625 | 29°00' | " |
| .687 | 29°00' | " |
| .750 | 29°00' | " |
| .812 | 29°00' | " |
| .875 | 29°00' | " |
| .937 | 29°00' | " |
| 1.000 | 29°00' | " |
| 1.125 | 29°00' | " |
| 1.250 | 29°00' | " |
| 1.375 | 29°00' | " |
| 1.500 | 29°00' | " |
| ∞ | 29°00' | " |

SPACE MAKER BORING TOOL CHART

5/16" or 8mm dia. Shank Series

| Bore Dia. | Tool No. for Iron | Tool No. for Steel/Alloy | Bore Length | Overall Length | |
|-----------|-------------------|--------------------------|-------------|----------------|----------|
| 1/8" | 7 | 8 | 1/2" | 1.3/8" | Short |
| 3/16" | 9 | 10 | 1/2" | 1.3/8" | |
| 1/4" | 11 | 12 | 1/2" | 1.3/8" | |
| 5/16" | 13 | 14 | 9/16" | 1.7/16" | |
| 3/8" | 15 | 16 | 3/4" | 1.1/2" | |
| 7/16" | 17 | 18 | 13/16" | 1.9/16" | |
| 1/2" | 19 | 20 | 7/8" | 1.5/8" | Standard |
| 3/16" | 21 | 22 | 1.1/8" | 2" | |
| 1/4" | 23 | 24 | 1.1/4" | 2.1/8" | |
| 5/16" | 25 | 26 | 1.5/16" | 2.5/16" | |
| 3/8" | 27 | 28 | 1.7/8" | 2.5/8" | |
| 7/16" | 29 | 30 | 2" | 2.3/4" | |
| 1/2" | 31 | 32 | 2.1/4" | 3.1/16" | |

3/4" dia. Shank Short Series

| Bore Dia. | Tool No. for Iron | Tool No. for Steel/Alloy | Bore Length | Overall Length |
|-----------|-------------------|--------------------------|-------------|----------------|
| 3/16" | 101 | 102 | 1.7/8" | 3.7/16" |
| 1/4" | 103 | 104 | 1.15/16" | 3.1/2" |
| 5/16" | 105 | 106 | 1.15/16" | 3.1/2" |
| 3/8" | 107 | 108 | 2.1/16" | 3.1/2" |
| 7/16" | 109 | 110 | 2.1/16" | 3.1/2" |
| 1/2" | 111 | 112 | 2.1/16" | 3.1/2" |
| 9/16" | 113 | 114 | 2.1/8" | 3.5/8" |
| 5/8" | 115 | 116 | 2.1/4" | 3.5/8" |
| 3/4" | 117 | 118 | 2.3/8" | 3.11/16" |

10mm, 12mm and 1/2" dia. Shank Series

| Bore Dia. | Tool No. | Tool No. | Bore Length | Overall Length | |
|-----------|----------|----------|-------------|----------------|----------|
| 3/16" | 41 | 42 | 1.1/4" | 2.11/16" | Short |
| 1/4" | 43 | 44 | 1.5/16" | 2.3/4" | |
| 5/16" | 45 | 46 | 1.7/16" | 2.13/16" | |
| 3/8" | 47 | 48 | 1.1/2" | 2.7/8" | |
| 7/16" | 49 | 50 | 1.9/16" | 3" | |
| 1/2" | 51 | 52 | 1.11/16" | 3" | |
| 5/8" | 53 | 54 | 2" | 3" | Standard |
| 3/4" | 55 | 56 | 2" | 3" | |
| 3/16" | 61 | 62 | 1.15/16" | 3.7/16" | |
| 1/4" | 63 | 64 | 2" | 3.7/16" | |
| 5/16" | 65 | 66 | 2.1/16" | 3.1/2" | |
| 3/8" | 67 | 68 | 2.1/8" | 3.9/16" | |
| 7/16" | 69 | 70 | 2.5/16" | 3.5/8" | Long |
| 1/2" | 71 | 72 | 2.5/16" | 3.5/8" | |
| 3/16" | 81 | 82 | 2.7/16" | 3.15/16" | |
| 1/4" | 83 | 84 | 2.5/8" | 4" | |
| 5/16" | 85 | 86 | 2.5/8" | 4" | |
| 3/8" | 87 | 88 | 2.11/16" | 4.1/16" | |
| 7/16" | 89 | 90 | 2.13/16" | 4.3/16" | |
| 1/2" | 91 | 92 | 2.7/8" | 4.3/16" | |

3/4" dia. Shank Standard Series

| Bore Dia. | Tool No. | Tool No. | Bore Length | Overall Length |
|-----------|----------|----------|-------------|----------------|
| 3/16" | 121 | 122 | 2.1/16" | 3.11/16" |
| 1/4" | 123 | 124 | 2.5/16" | 3.7/8" |
| 5/16" | 125 | 126 | 2.3/8" | 3.7/8" |
| 3/8" | 127 | 128 | 2.3/8" | 3.7/8" |
| 7/16" | 129 | 130 | 2.7/16" | 3.7/8" |
| 1/2" | 131 | 132 | 2.7/16" | 3.7/8" |
| 9/16" | 133 | 134 | 2.15/16" | 4.3/8" |
| 5/8" | 135 | 136 | 3" | 4.7/16" |
| 3/4" | 137 | 138 | 3.1/16" | 4.1/2" |

3/4" dia. Shank Long Series

| Bore Dia. | Tool No. | Tool No. | Bore Length | Overall Length |
|-----------|----------|----------|-------------|----------------|
| 3/16" | 141 | 142 | 3.3/8" | 4.15/16" |
| 1/4" | 143 | 144 | 3.3/8" | 5" |
| 5/16" | 145 | 146 | 3.7/16" | 5" |
| 3/8" | 147 | 148 | 3.7/16" | 5" |
| 7/16" | 149 | 150 | 3.7/16" | 5" |
| 1/2" | 151 | 152 | 3.1/2" | 5" |
| 9/16" | 153 | 154 | 4" | 5.1/2" |
| 5/8" | 155 | 156 | 4" | 5.1/2" |
| 3/4" | 157 | 158 | 4.1/16" | 5.1/2" |

Tools for steel and alloys bear even numbers and have 7° top rake and 7° side rake approx.

Tools for cast iron, brass and kindred materials bear odd numbers and ZERO top rake conditions.

BOREMASTERS

SPACE IN THE RIGHT PLACE

OF KENILWORTH LIMITED

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