



# Metric Sizes


| <b>ELLIPTICAL</b> |              |  |             |             |             |  |  |  |  |
|-------------------|--------------|---|-------------|-------------|-------------|--|--|--|--|
| <b>Code</b>       | <b>Shape</b> | <b>A mm</b>   | <b>B mm</b> | <b>C mm</b> | <b>D mm</b> |  |  |  |  |
| E88               | E            | 80  | 110         | 15          |             |  |  |  |  |
| E85               | E            | 80  | 120         | 12          |             |  |  |  |  |
| E84               | E            | 80  | 120         | 15          |             |  |  |  |  |
| E89               | E            | 90  | 120         | 15          |             |  |  |  |  |
| E87               | E            | 90  | 130         | 13          |             |  |  |  |  |
| E86               | E            | 100   | 140         | 15          |             |  |  |  |  |
| E83               | E            | 100   | 150         | 15          |             |  |  |  |  |
| E82               | E            | 150   | 200         | 15          |             |  |  |  |  |
| E90               | E            | 180   | 250         | 25          |             |  |  |  |  |
| E81               | E            | 200   | 300         | 25          |             |  |  |  |  |
| E79               | E            | 220   | 320         | 25          |             |  |  |  |  |
| E78               | E            | 300   | 400         | 25          |             |  |  |  |  |
| E80               | E            | 320   | 420         | 25          |             |  |  |  |  |
| E80T              | E            | 320   | 420         | 25          | 10          |  |  |  |  |
| E80A              | E            | 326   | 426         | 35          |             |  |  |  |  |
| E91               | E            | 350   | 450         | 25          |             |  |  |  |  |

# Imperial Sizes

| <b>ELLIPTICAL</b> |              |  |          |          |                      |          |          |          |          |
|-------------------|--------------|---|----------|----------|----------------------|----------|----------|----------|----------|
| <b>Code</b>       | <b>Shape</b> | <b>Size (inches)</b>  |          |          | <b>Equivalent mm</b> |          |          |          |          |
|                   |              | <b>A</b>  | <b>B</b> | <b>C</b> | <b>D</b>             | <b>A</b> | <b>B</b> | <b>C</b> | <b>D</b> |
| E01               | E            | 1 7/8   | 2 1/2    | 7/16     |                      | 45       | 65       | 10       |          |
| E01A              | E            | 1 3/4   | 3 3/4    | 3/8      |                      | 45       | 95       | 10       |          |
| E02               | E            | 2   | 3        | 3/8      |                      | 50       | 75       | 10       |          |
| E03               | E            | 2 1/4   | 3 1/4    | 1/2      |                      | 55       | 85       | 15       |          |
| E03A              | E            | 2 1/4   | 3 1/2    | 1/2      |                      | 55       | 90       | 15       |          |
| E04               | E            | 2 1/4   | 3 3/4    | 1/2      |                      | 55       | 95       | 15       |          |
| E05               | E            | 2 1/2   | 3 1/4    | 3/8      |                      | 65       | 80       | 10       |          |
| E06               | E            | 2 1/2   | 3 1/2    | 1/2      |                      | 65       | 90       | 15       |          |
| E07               | E            | 2 3/4   | 3 1/2    | 3/8      |                      | 70       | 90       | 10       |          |
| E07               | E            | 2 1/2   | 3 3/4    | 3/8      |                      | 65       | 95       | 10       |          |
| E08               | E            | 2 3/4   | 3 1/2    | 1/2      |                      | 70       | 90       | 15       |          |
| E08               | E            | 2 1/2   | 3 3/4    | 1/2      |                      | 65       | 95       | 15       |          |
| E08A              | E            | 2 3/4   | 3 1/2    | 3/8      | 3/16                 | 70       | 90       | 10       | 5        |
| E09               | E            | 2 3/4   | 3 3/4    | 5/8      |                      | 70       | 95       | 15       |          |
| E10               | E            | 2 3/4   | 3 3/4    | 1/2      |                      | 70       | 95       | 15       |          |
| E11               | E            | 2 7/8   | 3 7/8    | 1/2      |                      | 70       | 100      | 15       |          |
| E11               | E            | 3   | 3 3/4    | 1/2      |                      | 75       | 95       | 15       |          |
| E12               | E            | 2 3/4   | 4 1/2    | 5/8      |                      | 75       | 110      | 15       |          |
| E12               | E            | 3   | 4 1/4    | 5/8      |                      | 75       | 110      | 15       |          |
| E12A              | E            | 3   | 4        | 5/16     |                      | 75       | 110      | 15       |          |
| E13               | E            | 3   | 4        | 1/2      |                      | 75       | 100      | 15       |          |
| E13               | E            | 2 3/4   | 4 1/4    | 1/2      |                      | 70       | 110      | 15       |          |
| E14               | E            | 3   | 4        | 5/8      |                      | 75       | 100      | 15       |          |
| E15               | E            | 3   | 4        | 3/4      |                      | 75       | 100      | 20       |          |

|      |   |         |          |       |  |     |     |    |
|------|---|---------|----------|-------|--|-----|-----|----|
| E15A | E | 3       | 4        | 1 1/2 |  | 75  | 100 | 20 |
| E17  | E | 3       | 4 1/2    | 1/2   |  | 75  | 115 | 15 |
| E17A | E | 3       | 4 1/2    | 5/8   |  | 75  | 115 | 15 |
| E18  | E | 3       | 5        | 9/16  |  | 75  | 130 | 15 |
| E18  | E | 3 1/4   | 4 3/4    | 9/16  |  | 85  | 120 | 15 |
| E19  | E | 3 1/4   | 4 1/4    | 1/2   |  | 80  | 110 | 15 |
| E20  | E | 3 1/4   | 4 1/4    | 3/4   |  | 80  | 110 | 20 |
| E20  | E | 3       | 4 1/2    | 3/4   |  | 75  | 115 | 20 |
| E21  | E | 3 1/4   | 4 1/2    | 1/2   |  | 80  | 115 | 15 |
| E22  | E | 3 1/4   | 5        | 9/16  |  | 80  | 120 | 15 |
| E23  | E | 3 3/8   | 4 3/8    | 7/16  |  | 85  | 110 | 10 |
| E24  | E | 3 3/8   | 4 3/8    | 9/16  |  | 85  | 110 | 15 |
| E25  | E | 3 1/2   | 4 1/2    | 7/16  |  | 90  | 115 | 10 |
| E26  | E | 3 1/2   | 4 1/2    | 1/2   |  | 90  | 115 | 15 |
| E27  | E | 3 1/2   | 4 1/2    | 5/8   |  | 90  | 115 | 15 |
| E28  | E | 3 1/2   | 4 1/2    | 3/4   |  | 90  | 115 | 20 |
| E29  | E | 3 1/2   | 4 1/2    | 1 1/2 |  | 90  | 115 | 40 |
| E30  | E | 3 1/2   | 5        | 1/2   |  | 90  | 130 | 15 |
| E31  | E | 3 1/2   | 5        | 3/4   |  | 90  | 130 | 20 |
| E32  | E | 3 3/4   | 4 3/4    | 9/16  |  | 95  | 120 | 15 |
| E33  | E | 3 3/4   | 5 1/2    | 9/16  |  | 95  | 140 | 15 |
| E33  | E | 4       | 5 1/4    | 9/16  |  | 100 | 135 | 15 |
| E33A | E | 3 3/4   | 5 3/4    | 5/8   |  | 95  | 145 | 15 |
| E34  | E | 4       | 5        | 5/8   |  | 100 | 130 | 15 |
| E34  | E | 3 3/4   | 5 1/4    | 5/8   |  | 100 | 130 | 15 |
| E34  | E | 3 1/2   | 5 1/2    | 5/8   |  | 90  | 140 | 15 |
| E34A | E | 4       | 4 3/8    | 1/2   |  | 100 | 110 | 15 |
| E35  | E | 4       | 5 1/2    | 3/4   |  | 100 | 140 | 20 |
| E36  | E | 4 1/2   | 5 1/2    | 5/8   |  | 115 | 140 | 15 |
| E37  | E | 4       | 6        | 5/8   |  | 100 | 150 | 15 |
| E38  | E | 4       | 6        | 3/4   |  | 100 | 150 | 20 |
| E39  | E | 4 1/4   | 5 1/8    | 3/8   |  | 110 | 130 | 10 |
| E40  | E | 4 1/2   | 6 1/2    | 9/16  |  | 115 | 165 | 15 |
| E40A | E | 4 1/2   | 6 1/2    | 1 1/4 |  | 115 | 165 | 30 |
| E41  | E | 4 3/4   | 6 5/8    | 3/4   |  | 120 | 170 | 20 |
| E42  | E | 5       | 6        | 5/8   |  | 130 | 150 | 15 |
| E43  | E | 5       | 7        | 3/4   |  | 130 | 180 | 20 |
| E44  | E | 5 3/4   | 7 1/4    | 3/4   |  | 145 | 185 | 20 |
| E45  | E | 6       | 8        | 3/4   |  | 150 | 205 | 20 |
| E46  | E | 6       | 8        | 1     |  | 152 | 203 | 25 |
| E47  | E | 6       | 9        | 1     |  | 150 | 230 | 25 |
| E48  | E | 6       | 10       | 5/8   |  | 150 | 250 | 15 |
| E49  | E | 6       | 10       | 1     |  | 150 | 255 | 25 |
| E50  | E | 7       | 9        | 3/4   |  | 175 | 230 | 20 |
| E50A | E | 7       | 10       | 1 1/2 |  | 175 | 255 | 40 |
| E51  | E | 7 1/2   | 10 1/4   | 3/4   |  | 190 | 260 | 20 |
| E52  | E | 7 1/2   | 11 1/2   | 1     |  | 190 | 290 | 25 |
| E52A | E | 7 7/8   | 11 3/4   | 1     |  | 200 | 300 | 25 |
| E53  | E | 8       | 10       | 1     |  | 200 | 255 | 25 |
| E53A | E | 9       | 12       | 1     |  | 230 | 305 | 25 |
| E53B | E | 8 5/8   | 12 1/2   | 1     |  | 220 | 315 | 25 |
| E53C | E | 8       | 11       | 1     |  | 200 | 280 | 25 |
| E54  | E | 9       | 14       | 1 1/4 |  | 230 | 355 | 30 |
| E54A | E | 9 1/2   | 14       | 1 1/8 |  | 240 | 355 | 30 |
| E54B | E | 9 3/4   | 14 3/4   | 1 1/4 |  | 250 | 355 | 30 |
| E54C | E | 9 3/4   | 14 1/2   | 2     |  | 250 | 365 | 50 |
| E54D | E | 9 3/4   | 14 3/4   | 1 1/4 |  | 250 | 375 | 30 |
| E55  | E | 9 1/2   | 15 1/2   | 1     |  | 240 | 395 | 25 |
| E55E | E | 9 15/16 | 15 15/16 | 3/4   |  | 250 | 405 | 20 |
| E56  | E | 10      | 14       | 1     |  | 255 | 355 | 25 |
| E57  | E | 10      | 14       | 1 1/2 |  | 255 | 355 | 40 |
| E58  | E | 10 1/2  | 14       | 1 1/4 |  | 270 | 355 | 30 |
| E59  | E | 10 1/2  | 14 1/2   | 1 1/4 |  | 270 | 365 | 30 |
| E60  | E | 10 1/2  | 14 1/2   | 1 3/8 |  | 270 | 365 | 35 |


|      |   |        |        |       |      |     |     |    |   |
|------|---|--------|--------|-------|------|-----|-----|----|---|
| E60  | E | 10     | 15     | 1 3/8 |      | 255 | 380 | 35 |   |
| E61  | E | 10 1/2 | 15     | 1 1/4 |      | 270 | 380 | 30 |   |
| E61A | E | 10 1/2 | 14 1/2 | 1 3/4 |      | 270 | 365 | 45 |   |
| E62  | E | 10 3/4 | 14 3/4 | 1 1/4 |      | 275 | 375 | 30 |   |
| E62A | E | 10     | 16     | 5/8   |      | 255 | 405 | 15 |   |
| E63  | E | 10     | 16     | 1 1/4 |      | 255 | 405 | 30 |   |
| E65  | E | 11     | 14     | 1 3/8 |      | 280 | 355 | 35 |   |
| E64  | E | 11     | 14 1/2 | 1     |      | 280 | 365 | 25 |   |
| E64A | E | 11     | 14 3/4 | 1 1/2 |      | 280 | 375 | 40 |   |
| E65A | E | 11 1/2 | 14 1/2 | 1 1/4 |      | 290 | 370 | 30 |   |
| E65B | E | 11     | 15     | 3/4   |      | 280 | 380 | 20 |   |
| E65C | E | 11     | 15     | 1     | 3/16 | 280 | 380 | 25 | 5 |
| E66  | E | 11     | 15     | 1     |      | 280 | 380 | 25 |   |
| E67  | E | 11     | 15     | 1 1/4 |      | 280 | 380 | 30 |   |
| E67A | E | 11     | 15     | 1 3/8 |      | 280 | 380 | 35 |   |
| E68  | E | 11 1/2 | 15 1/2 | 1 1/4 |      | 290 | 395 | 30 |   |
| E68B | E | 11 1/2 | 15 1/2 | 1 3/4 |      | 290 | 395 | 45 |   |
| E68A | E | 11 3/4 | 15 3/4 | 1 3/8 |      | 300 | 400 | 35 |   |
| E68C | E | 11 3/4 | 15 3/4 | 1 3/4 |      | 300 | 400 | 45 |   |
| E69  | E | 11     | 15     | 1 3/4 |      | 280 | 380 | 45 |   |
| E69A | E | 11     | 16     | 1 1/4 |      | 280 | 405 | 30 |   |
| E70  | E | 12     | 15     | 1     |      | 305 | 380 | 25 |   |
| E71  | E | 12     | 15     | 1 1/4 |      | 305 | 380 | 30 |   |
| E72  | E | 12     | 15 1/2 | 1     |      | 305 | 395 | 25 |   |
| E73  | E | 12     | 15 1/2 | 1 1/4 |      | 305 | 395 | 30 |   |
| E74  | E | 12     | 16     | 1     |      | 305 | 405 | 25 |   |
| E75  | E | 12     | 16     | 1 1/4 |      | 305 | 405 | 30 |   |
| E76  | E | 12     | 16     | 1 3/8 |      | 305 | 405 | 35 |   |
| E76A | E | 12 1/2 | 16 1/4 | 1 1/4 |      | 320 | 410 | 30 |   |
| E80  | E | 12 1/2 | 16 1/2 | 1     |      | 315 | 420 | 25 |   |
| E77  | E | 14     | 18     | 1 1/2 |      | 355 | 460 | 40 |   |
| E77A | E | 18     | 24     | 1 1/2 |      | 455 | 610 | 40 |   |
| E77B | E | 16     | 18     | 1 1/4 |      | 405 | 455 | 30 |   |

| <b>OBROUND</b> |              |  |          |          |          | <b>Equivalent mm S</b> |          |          |          |
|----------------|--------------|---|----------|----------|----------|------------------------|----------|----------|----------|
| <b>Code</b>    | <b>Shape</b> | <b>Size (inches)</b>  |          |          |          |                        |          |          |          |
|                |              | <b>A</b>  | <b>B</b> | <b>C</b> | <b>D</b> | <b>A</b>               | <b>B</b> | <b>C</b> | <b>D</b> |
| OB02           | OB           | 2   | 3        | 1/2      |          | 50                     | 75       | 15       |          |
| OB03           | OB           | 2 1/4   | 3 1/4    | 1/2      |          | 55                     | 85       | 15       |          |
| OB04           | OB           | 2 1/4   | 3 1/4    | 3/8      |          | 55                     | 85       | 10       |          |
| OB05           | OB           | 2 1/2   | 3 1/2    | 1/2      |          | 65                     | 85       | 15       |          |
| OB05A          | OB           | 2 1/4   | 3 3/4    | 3/16     |          | 55                     | 95       | 5        |          |
| OB06           | OB           | 2 1/4   | 3 3/4    | 9/16     |          | 55                     | 95       | 15       |          |
| OB06           | OB           | 2   | 4        | 9/16     |          | 50                     | 105      | 15       |          |
| OB07           | OB           | 2 1/2   | 3 3/4    | 1/2      |          | 65                     | 95       | 15       |          |
| OB08           | OB           | 2 3/4   | 3 1/2    | 1/2      |          | 70                     | 90       | 15       |          |
| OB09           | OB           | 2 3/4   | 3 3/4    | 1/2      |          | 70                     | 95       | 15       |          |
| OB10           | OB           | 2 7/8   | 3 7/8    | 7/16     |          | 70                     | 100      | 10       |          |
| OB11           | OB           | 2 7/8   | 4 3/8    | 9/16     |          | 75                     | 110      | 15       |          |
| OB12           | OB           | 2 3/4   | 4 1/2    | 1/2      |          | 70                     | 115      | 15       |          |
| OB12           | OB           | 3   | 4 1/4    | 1/2      |          | 75                     | 110      | 15       |          |
| OB13           | OB           | 2 3/4   | 4 3/4    | 1/2      |          | 70                     | 120      | 15       |          |
| OB14           | OB           | 3   | 4        | 1/2      |          | 80                     | 100      | 15       |          |
| OB14A          | OB           | 3   | 4        | 9/16     |          | 75                     | 105      | 15       |          |
| OB15           | OB           | 3   | 4 1/2    | 9/16     |          | 75                     | 115      | 15       |          |
| OB15           | OB           | 3 1/4   | 4 1/4    | 9/16     |          | 85                     | 105      | 15       |          |
| OB16           | OB           | 3   | 5        | 9/16     |          | 75                     | 130      | 15       |          |
| OB17           | OB           | 3 1/4   | 4 1/2    | 1/2      |          | 80                     | 115      | 15       |          |
| OB18           | OB           | 3 1/4   | 4 1/2    | 9/16     |          | 80                     | 115      | 15       |          |
| OB19           | OB           | 3 1/4   | 4 3/4    | 5/8      |          | 85                     | 120      | 15       |          |
| OB20           | OB           | 3 1/4   | 4 3/4    | 1/2      |          | 85                     | 120      | 15       |          |

|      |    |        |         |         |  |     |     |    |
|------|----|--------|---------|---------|--|-----|-----|----|
| OB22 | OB | 3 1/2  | 4 1/2   | 9/16    |  | 85  | 115 | 15 |
| OB22 | OB | 3      | 4 3/4   | 9/16    |  | 80  | 120 | 15 |
| OB21 | OB | 3 3/8  | 4 1/4   | 3/8     |  | 85  | 110 | 10 |
| OB23 | OB | 3 1/2  | 5       | 9/16    |  | 90  | 125 | 15 |
| OB23 | OB | 3 1/4  | 5 1/4   | 9/16    |  | 80  | 135 | 15 |
| OB24 | OB | 3 1/2  | 5 1/2   | 1/2     |  | 90  | 140 | 15 |
| OB25 | OB | 3 1/2  | 5 1/2   | 5/8     |  | 90  | 140 | 15 |
| OB26 | OB | 3 5/8  | 5 5/8   | 7/16    |  | 90  | 145 | 10 |
| OB27 | OB | 3 5/8  | 5 5/8   | 9/16    |  | 90  | 145 | 15 |
| OB28 | OB | 3 5/8  | 5 5/8   | 1       |  | 90  | 145 | 25 |
| OB29 | OB | 4      | 5       | 5/8     |  | 100 | 130 | 15 |
| OB30 | OB | 4 1/2  | 5 1/2   | 5/8     |  | 115 | 140 | 15 |
| OB31 | OB | 4      | 6       | 5/8     |  | 100 | 155 | 15 |
| OB32 | OB | 4 1/2  | 6       | 5/8     |  | 115 | 150 | 15 |
| OB33 | OB | 4 1/2  | 6 1/2   | 5/8     |  | 115 | 165 | 15 |
| OB34 | OB | 4 1/2  | 10 1/4  | 3/4     |  | 115 | 260 | 20 |
| OB35 | OB | 5      | 6 3/4   | 1       |  | 130 | 170 | 25 |
| OB36 | OB | 5      | 7       | 5/8     |  | 130 | 175 | 15 |
| OB37 | OB | 5      | 7 1/2   | 1       |  | 130 | 190 | 25 |
| OB38 | OB | 9 3/4  | 14      | 1 1/4   |  | 250 | 355 | 30 |
| OB39 | OB | 10 1/2 | 14 1/2  | 1 15/16 |  | 265 | 370 | 50 |
| OB40 | OB | 11     | 15      | 1 1/4   |  | 280 | 380 | 30 |
| OB41 | OB | 11 5/8 | 15 5/8  | 1 1/4   |  | 295 | 395 | 30 |
| OB42 | OB | 12     | 16      | 1 1/2   |  | 305 | 405 | 40 |
| OB43 | OB | 220 mm | 320 mm  | 25 mm   |  |     |     |    |
| OB44 | OB | 8 1/2  | 12 1/12 | 1 1/2   |  | 215 | 320 | 40 |

|       |  |  |  |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|--|--|--|
| ROUND |  |  |  |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|--|--|--|

| Code | Shape | Size (inches) |         |   | Equivalent mm S |     |     |   |    |
|------|-------|---------------|---------|---|-----------------|-----|-----|---|----|
|      |       | A             | B       | C | D               | A   | B   | C | D  |
| R01  | R     | 1 3/8         | 2 5/16  |   | 5/16            | 35  | 60  |   | 10 |
| R02  | R     | 2 7/8         | 3 5/8   |   | 1/8             | 75  | 90  |   | 5  |
| R03  | R     | 2 15/16       | 3 15/16 |   | 1/4             | 75  | 100 |   | 5  |
| R04  | R     | 3             | 3 5/8   |   | 3/16            | 75  | 95  |   | 5  |
| R05  | R     | 3             | 3 3/4   |   | 3/8             | 75  | 95  |   | 10 |
| R06  | R     | 3             | 4       |   | 1/4             | 75  | 105 |   | 5  |
| R07  | R     | 3 1/4         | 4       |   | 1/4             | 85  | 100 |   | 5  |
| R08  | R     | 3 1/2         | 4 3/16  |   | 3/16            | 90  | 105 |   | 5  |
| R09  | R     | 3 1/2         | 4 1/2   |   | 1/4             | 85  | 115 |   | 5  |
| R10  | R     | 3 1/2         | 5       |   | 1/4             | 90  | 125 |   | 5  |
| R11  | R     | 3 1/2         | 5 1/2   |   | 1/4             | 90  | 140 |   | 5  |
| R11A | R     | 3 11/16       | 4 1/2   |   | 3/8             | 90  | 115 |   | 10 |
| R12  | R     | 4             | 4 3/4   |   | 3/8             | 105 | 120 |   | 10 |
| R13  | R     | 4             | 5       |   | 1/4             | 100 | 130 |   | 5  |
| R14  | R     | 4             | 5 1/4   |   | 3/16            | 100 | 135 |   | 5  |
| R15  | R     | 4 1/4         | 5 1/16  |   | 1/4             | 105 | 130 |   | 5  |
| R16  | R     | 4 1/2         | 5 1/2   |   | 3/16            | 115 | 140 |   | 5  |
| R17  | R     | 4 3/4         | 6 3/8   |   | 13/16           | 120 | 165 |   | 20 |
| R18  | R     | 5             | 6       |   | 1/4             | 130 | 150 |   | 5  |
| R19  | R     | 5 1/4         | 8       |   | 5/16            | 130 | 205 |   | 10 |
| R20  | R     | 5 7/16        | 7 9/16  |   | 5/16            | 140 | 190 |   | 10 |
| R21  | R     | 6             | 7 1/2   |   | 3/4             | 150 | 190 |   | 20 |
| R22  | R     | 10 3/4        | 13 3/8  |   | 1/8             | 275 | 340 |   | 5  |
| R23  | R     | 12 3/4        | 16 1/8  |   | 1/8             | 325 | 410 |   | 5  |

|                |  |
|----------------|--|
| Special Shapes |  |
|----------------|--|

| Code | Shape | A | B | C |  |  |  |  |
|------|-------|---|---|---|--|--|--|--|
|------|-------|---|---|---|--|--|--|--|

|                       |                          |              |               |              |     |           |           |           |
|-----------------------|--------------------------|--------------|---------------|--------------|-----|-----------|-----------|-----------|
| RH01                  | Round Hole               | 3 1/2        | Sq 2          |              |     |           |           |           |
| SQF01                 | Sq Flange                | 3 9/16       | 5 5/16        |              |     |           |           |           |
| SQF02                 |                          | 7 3/8        | 7 3/8         |              |     |           |           |           |
| REC01                 | Rectangle                | 2            | 6             | 1 1/2        |     |           |           |           |
| REC02                 | Rectangle                |              | 16 7/8        | 1 1/16       |     |           |           |           |
| REC03                 | Rectangle                | 3 3/4        | 8 1/2         |              |     |           |           |           |
| REC04                 | Rectangle                | 4 1/2        | 6             |              |     |           |           |           |
| REC05                 | Rectangle                | 6 1/4        | 9 3/4         |              |     |           |           |           |
| Key01                 | Key                      | 3            | 4             |              |     |           |           |           |
| D01                   | Diamond                  | 3 3/8        | 4 1/4         |              |     |           |           |           |
| D02                   | Diamond                  | 3 1/2        | 4 1/2         |              |     |           |           |           |
| D03                   | Diamond                  | 4            | 5             |              |     |           |           |           |
| D04                   | Diamond                  | 4 1/4        | 5 1/4         | 13/32        |     |           |           |           |
| D05                   | Diamond                  | 3 1/2        | 4 1/2         |              |     |           |           |           |
| D06                   | Diamond                  | 3 3/8        | 4 3/8         |              |     |           |           |           |
| D07                   | Diamond                  | 3 5/8        | 4 3/4         |              |     |           |           |           |
| D08                   | Diamond                  | 4            | 5             |              |     |           |           |           |
| SS01                  | N.P.                     | 4            | 5             |              |     |           |           |           |
| SS02                  | P.W.                     | 4            | 5             |              |     |           |           |           |
| SS04                  | SP U                     | 4 1/4        | 5 1/8         |              |     |           |           |           |
| SS05                  | SPS                      | 5 1/4        | 5 1/4         |              |     |           |           |           |
| SS06                  | SPS                      | 7 7/16       | 7 7/16        |              |     |           |           |           |
| SS08                  | Elliptical Turtle        | 10 x 16      | 1 3/4         |              |     |           |           |           |
| SS10                  | Manway E, w 4 bolt holes | 10 3/4       | 15 1/2        | 1 3/8        |     |           |           |           |
| SS11                  | Manway E, w 4 bolt holes | 8 3/4        | 14            | 2 1/4        |     |           |           |           |
| SS13                  | OB                       | 3 7/8        | 13 3/8        | 13/16        | 1/8 |           |           |           |
| <b>Sheet Material</b> |                          |              |               |              |     |           |           |           |
| <b>Code</b>           |                          | <b>Width</b> | <b>Length</b> | <b>Thick</b> |     | <b>mm</b> | <b>mm</b> | <b>mm</b> |
| SM21                  |                          | 21 1/2       | 21 1/2        | 1/8          |     | 545       | 545       | 3         |
| SM21A                 |                          | 21 1/2       | 21 1/2        | 3/16         |     | 545       | 545       | 5         |
| SM21B                 |                          | 21 1/2       | 21 1/2        | 1/4          |     | 545       | 545       | 6         |
| SM24C                 |                          | 24           | 24            | 1/16         |     | 610       | 610       | 2         |
| SM24                  |                          | 24           | 24            | 1/8          |     | 610       | 610       | 3         |
| SM24A                 |                          | 24           | 24            | 3/16         |     | 610       | 610       | 5         |
| SM24B                 |                          | 24           | 24            | 1/4          |     | 610       | 610       | 6         |
| SM27                  |                          | 27 1/2       | 27 1/2        | 1/8          |     | 700       | 700       | 3         |
| SM27A                 |                          | 27 1/2       | 27 1/2        | 3/16         |     | 700       | 700       | 5         |
| SM27B                 |                          | 27 1/2       | 27 1/2        | 1/4          |     | 700       | 700       | 6         |
| SM33                  |                          | 30           | 30            | 1/8          |     | 762       | 762       | 3         |
| SM33A                 |                          | 30           | 30            | 3/16         |     | 762       | 762       | 5         |
| SM33B                 |                          | 30           | 30            | 1/4          |     | 762       | 762       | 6         |