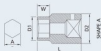


# 1/4" DR. (FLANK TYPE)



| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  | SHAPE |
|---------|-----------|---------|----------|----------|---------|----|-------|
| 100204  | 5/32      | 23.0    | 7.6      | 13.0     | 2.0     | 13 | A     |
| 100205  | 3/16      | 23.0    | 7.8      | 13.0     | 3.0     | 14 |       |
| 100255  | 7/32      | 23.0    | 8.8      | 13.0     | 3.2     | 14 |       |
| 100206  | 1/4       | 23.0    | 10.3     | 13.0     | 3.2     | 14 |       |
| 100207  | 9/32      | 23.0    | 11.3     | 13.0     | 3.2     | 14 |       |
| 100208  | 5/16      | 23.0    | 12.5     | 13.0     | 3.2     | 14 |       |
| 100209  | 11/32     | 23.0    |          | 13.0     | 4.5     | 16 | B     |
| 100210  | 3/8       | 23.0    |          | 14.3     | 5.6     | 16 |       |
| 100211  | 7/16      | 23.0    |          | 15.8     | 6.0     | 19 |       |
| 100213  | 1/2       | 23.0    |          | 18.5     | 7.2     | 21 |       |
| 100214  | 9/16      | 23.0    |          | 19.8     | 7.2     | 21 |       |

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  | SHAPE |
|---------|---------|---------|----------|----------|---------|----|-------|
| 105204  | 4       | 23.0    | 7.5      | 13.0     | 2.4     | 13 | A     |
| 105245  | 4.5     | 23.0    | 7.8      | 13.0     | 2.8     | 14 |       |
| 105205  | 5       | 23.0    | 8.5      | 13.0     | 2.8     | 14 |       |
| 105255  | 5.5     | 23.0    | 9.1      | 13.0     | 2.8     | 14 |       |
| 105206  | 6       | 23.0    | 10.0     | 13.0     | 3.1     | 14 |       |
| 105207  | 7       | 23.0    | 11.3     | 13.0     | 3.6     | 14 |       |
| 105208  | 8       | 23.0    | 12.5     | 13.0     | 3.6     | 14 | B     |
| 105209  | 9       | 23.0    |          | 13.0     | 4.1     | 16 |       |
| 105210  | 10      | 23.0    |          | 14.3     | 4.6     | 16 |       |
| 105211  | 11      | 23.0    |          | 16.0     | 6.0     | 19 |       |
| 105212  | 12      | 23.0    |          | 17.0     | 6.1     | 20 |       |
| 105213  | 13      | 23.0    |          | 19.0     | 6.8     | 21 |       |
| 105214  | 14      | 23.0    |          | 20.0     | 7.5     | 21 |       |
| 105215  | 15      | 23.0    |          | 21.0     | 7.5     | 24 |       |

# 1/4" DR. (FLANK TYPE)



| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  | SHAPE |
|---------|-----------|---------|----------|----------|---------|----|-------|
| 140204  | 5/32      | 50.0    | 7.6      | 13.0     | 2.0     | 38 | A     |
| 140205  | 3/16      | 50.0    | 7.8      | 13.0     | 3.0     | 38 |       |
| 140255  | 7/32      | 50.0    | 8.8      | 13.0     | 3.2     | 38 |       |
| 140206  | 1/4       | 50.0    | 10.3     | 13.0     | 3.2     | 38 |       |
| 140207  | 9/32      | 50.0    | 11.3     | 13.0     | 3.2     | 40 |       |
| 140208  | 5/16      | 50.0    | 12.5     | 13.0     | 3.5     | 40 |       |
| 140209  | 11/32     | 50.0    |          | 13.0     | 4.5     | 45 | B     |
| 140210  | 3/8       | 50.0    |          | 14.5     | 5.6     | 57 |       |
| 140211  | 7/16      | 50.0    |          | 15.8     | 6.0     | 62 |       |
| 140213  | 1/2       | 50.0    |          | 18.5     | 7.2     | 75 |       |
| 140214  | 9/16      | 50.0    |          | 19.8     | 7.2     | 86 |       |

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  | SHAPE |
|---------|---------|---------|----------|----------|---------|----|-------|
| 145204  | 4       | 50.0    | 7.5      | 13.0     | 2.4     | 38 | A     |
| 145245  | 4.5     | 50.0    | 7.8      | 13.0     | 2.6     | 38 |       |
| 145205  | 5       | 50.0    | 8.5      | 13.0     | 2.8     | 38 |       |
| 145255  | 5.5     | 50.0    | 9.1      | 13.0     | 2.8     | 38 |       |
| 145206  | 6       | 50.0    | 10.0     | 13.0     | 3.1     | 38 |       |
| 145207  | 7       | 50.0    | 11.3     | 13.0     | 3.6     | 40 |       |
| 145208  | 8       | 50.0    | 12.5     | 13.0     | 3.6     | 40 | B     |
| 145209  | 9       | 50.0    |          | 13.0     | 4.1     | 45 |       |
| 145210  | 10      | 50.0    |          | 14.5     | 4.6     | 57 |       |
| 145211  | 11      | 50.0    |          | 16.0     | 6.0     | 62 |       |
| 145212  | 12      | 50.0    |          | 17.0     | 6.1     | 68 |       |
| 145213  | 13      | 50.0    |          | 19.0     | 6.8     | 75 |       |
| 145214  | 14      | 50.0    |          | 20.0     | 7.5     | 86 |       |
| 145215  | 15      | 50.0    |          | 21.0     | 7.5     | 96 |       |

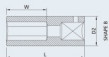
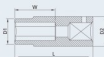
# 3/8" DR. (FLANK TYPE)



| Item No-C | Item No-B | Item No-A | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|-----------|---------|----------|----------|---------|-----|-------|
| 1Q1W06    | 111206    | 101206    | 1/4       | 28.5    | 10.5     | 19.0     | 4.0     | 35  | A     |
| 1Q1W08    | 111208    | 101208    | 5/16      | 28.5    | 12.4     | 19.0     | 4.0     | 35  |       |
| 1Q1W10    | 111210    | 101210    | 3/8       | 28.5    | 14.5     | 19.0     | 5.0     | 35  |       |
| 1Q1W11    | 111211    | 101211    | 7/16      | 30.0    | 17.0     | 19.0     | 5.2     | 40  |       |
| 1Q1W13    | 111213    | 101213    | 1/2       | 30.0    |          | 19.0     | 6.0     | 40  |       |
| 1Q1W14    | 111214    | 101214    | 9/16      | 30.0    |          | 20.0     | 8.0     | 40  |       |
| 1Q1W16    | 111216    | 101216    | 5/8       | 30.0    |          | 24.0     | 8.0     | 70  | B     |
| 1Q1W17    | 111217    | 101217    | 11/16     | 31.5    |          | 24.0     | 8.2     | 70  |       |
| 1Q1W19    | 111219    | 101219    | 3/4       | 31.5    |          | 26.0     | 9.2     | 75  |       |
| 1Q1W21    | 111221    | 101221    | 13/16     | 31.5    |          | 30.0     | 10.0    | 105 |       |
| 1Q1W22    | 111222    | 101222    | 7/8       | 31.5    |          | 32.0     | 10.0    | 110 |       |
| 1Q1W24    | 111224    | 101224    | 15/16     | 31.5    |          | 34.0     | 12.0    | 120 |       |
| 1Q1W26    | 111226    | 101226    | 1"        | 31.5    |          | 34.0     | 12.0    | 130 |       |

| Item No-C | Item No-B | Item No-A | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|---------|---------|----------|----------|---------|-----|-------|
| 1Q6W06    | 116206    | 106206    | 6       | 28.5    | 10.2     | 19.0     | 3.1     | 35  | A     |
| 1Q6W07    | 116207    | 106207    | 7       | 28.5    | 11.9     | 19.0     | 3.6     | 35  |       |
| 1Q6W08    | 116208    | 106208    | 8       | 28.5    | 12.5     | 19.0     | 4.0     | 35  |       |
| 1Q6W09    | 116209    | 106209    | 9       | 28.5    | 14.0     | 19.0     | 4.0     | 35  |       |
| 1Q6W10    | 116210    | 106210    | 10      | 28.5    | 15.0     | 19.0     | 5.0     | 35  |       |
| 1Q6W11    | 116211    | 106211    | 11      | 30.0    | 17.0     | 19.0     | 6.0     | 40  |       |
| 1Q6W12    | 116212    | 106212    | 12      | 30.0    |          | 19.0     | 6.1     | 40  | B     |
| 1Q6W13    | 116213    | 106213    | 13      | 30.0    |          | 19.0     | 6.8     | 40  |       |
| 1Q6W14    | 116214    | 106214    | 14      | 30.0    |          | 20.0     | 8.4     | 40  |       |
| 1Q6W15    | 116215    | 106215    | 15      | 30.0    |          | 22.0     | 8.4     | 50  |       |
| 1Q6W16    | 116216    | 106216    | 16      | 30.0    |          | 24.0     | 9.6     | 70  |       |
| 1Q6W17    | 116217    | 106217    | 17      | 31.5    |          | 24.0     | 9.6     | 70  |       |
| 1Q6W18    | 116218    | 106218    | 18      | 31.5    |          | 25.0     | 10.2    | 70  |       |
| 1Q6W19    | 116219    | 106219    | 19      | 31.5    |          | 26.0     | 11.0    | 75  |       |
| 1Q6W20    | 116220    | 106220    | 20      | 31.5    |          | 28.0     | 11.0    | 100 |       |
| 1Q6W21    | 116221    | 106221    | 21      | 31.5    |          | 30.0     | 11.0    | 105 |       |
| 1Q6W22    | 116222    | 106222    | 22      | 31.5    |          | 32.0     | 11.0    | 110 |       |
| 1Q6W23    | 116223    | 106223    | 23      | 31.5    |          | 32.0     | 12.0    | 120 |       |
| 1Q6W24    | 116224    | 106224    | 24      | 31.5    |          | 34.0     | 12.0    | 120 |       |

## 3/8" DR. (FLANK TYPE)



| Item No-C | Item No-B | Item No-A | A     | L    | D1   | D2   | W    | g   | SHAPE |
|-----------|-----------|-----------|-------|------|------|------|------|-----|-------|
|           |           |           | inch  | mm   | mm   | mm   | mm   |     |       |
| 1R1W06    | 151206    | 141206    | 1/4   | 63.0 | 10.5 | 19.0 | 4.0  | 95  | A     |
| 1R1W08    | 151208    | 141208    | 5/16  | 63.0 | 12.5 | 19.0 | 4.0  | 95  |       |
| 1R1W10    | 151210    | 141210    | 3/8   | 63.0 | 14.5 | 19.0 | 5.0  | 95  |       |
| 1R1W11    | 151211    | 141211    | 7/16  | 63.0 | 17.0 | 19.0 | 5.2  | 95  |       |
| 1R1W13    | 151213    | 141213    | 1/2   | 63.0 |      | 19.0 | 6.0  | 95  |       |
| 1R1W14    | 151214    | 141214    | 9/16  | 63.0 |      | 20.0 | 8.0  | 100 | B     |
| 1R1W16    | 151216    | 141216    | 5/8   | 63.0 |      | 24.0 | 8.0  | 130 |       |
| 1R1W17    | 151217    | 141217    | 11/16 | 63.0 |      | 24.0 | 8.2  | 130 |       |
| 1R1W19    | 151219    | 141219    | 3/4   | 63.0 |      | 26.0 | 9.2  | 145 |       |
| 1R1W21    | 151221    | 141221    | 13/16 | 63.0 |      | 30.0 | 10.0 | 180 |       |
| 1R1W22    | 151222    | 141222    | 7/8   | 63.0 |      | 32.0 | 10.0 | 200 |       |
| 1R1W24    | 151224    | 141224    | 15/16 | 63.0 |      | 34.0 | 12.0 | 220 |       |
| 1R1W26    | 151226    | 141226    | 1"    | 63.0 |      | 34.0 | 12.0 | 250 |       |

| Item No-C | Item No-B | Item No-A | A  | L    | D1   | D2   | W    | g   | SHAPE |
|-----------|-----------|-----------|----|------|------|------|------|-----|-------|
|           |           |           | mm | mm   | mm   | mm   | mm   |     |       |
| 1R6W06    | 156206    | 146206    | 6  | 63.0 | 10.2 | 19.0 | 3.1  | 95  | A     |
| 1R6W07    | 156207    | 146207    | 7  | 63.0 | 11.9 | 19.0 | 3.6  | 95  |       |
| 1R6W08    | 156208    | 146208    | 8  | 63.0 | 12.5 | 19.0 | 4.0  | 95  |       |
| 1R6W09    | 156209    | 146209    | 9  | 63.0 | 14.0 | 19.0 | 4.0  | 95  |       |
| 1R6W10    | 156210    | 146210    | 10 | 63.0 | 15.0 | 19.0 | 5.0  | 95  |       |
| 1R6W11    | 156211    | 146211    | 11 | 63.0 | 17.0 | 19.0 | 6.0  | 95  | B     |
| 1R6W12    | 156212    | 146212    | 12 | 63.0 |      | 19.0 | 6.1  | 95  |       |
| 1R6W13    | 156213    | 146213    | 13 | 63.0 |      | 19.0 | 6.8  | 95  |       |
| 1R6W14    | 156214    | 146214    | 14 | 63.0 |      | 20.0 | 8.4  | 100 |       |
| 1R6W15    | 156215    | 146215    | 15 | 63.0 |      | 22.0 | 8.4  | 110 |       |
| 1R6W16    | 156216    | 146216    | 16 | 63.0 |      | 24.0 | 9.6  | 130 |       |
| 1R6W17    | 156217    | 146217    | 17 | 63.0 |      | 24.0 | 9.6  | 130 |       |
| 1R6W18    | 156218    | 146218    | 18 | 63.0 |      | 25.0 | 10.2 | 145 |       |
| 1R6W19    | 156219    | 146219    | 19 | 63.0 |      | 26.0 | 11.0 | 145 |       |
| 1R6W20    | 156220    | 146220    | 20 | 63.0 |      | 28.0 | 11.0 | 180 |       |
| 1R6W21    | 156221    | 146221    | 21 | 63.0 |      | 30.0 | 11.0 | 180 |       |
| 1R6W22    | 156222    | 146222    | 22 | 63.0 |      | 32.0 | 11.0 | 200 |       |
| 1R6W23    | 156223    | 146223    | 23 | 63.0 |      | 32.0 | 12.0 | 220 |       |
| 1R6W24    | 156224    | 146224    | 24 | 63.0 |      | 34.0 | 12.0 | 220 |       |



# 1/2" DR. (FLANK TYPE)



| Item No-C | Item No-B | Item No-A | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|-----------|---------|----------|----------|---------|-----|-------|
| 1Q2W08    | 112208    | 102208    | 5/16      | 38.0    | 14.0     | 22.0     | 6.0     | 70  | A     |
| 1Q2W10    | 112210    | 102210    | 3/8       | 38.0    | 17.0     | 22.0     | 6.0     | 70  |       |
| 1Q2W11    | 112211    | 102211    | 7/16      | 38.0    | 18.0     | 22.0     | 8.0     | 70  |       |
| 1Q2W13    | 112213    | 102213    | 1/2       | 38.0    | 20.0     | 22.0     | 8.0     | 70  |       |
| 1Q2W14    | 112214    | 102214    | 9/16      | 38.0    | 22.0     | 24.0     | 8.0     | 80  |       |
| 1Q2W16    | 112216    | 102216    | 5/8       | 38.0    |          | 24.0     | 9.0     | 80  | B     |
| 1Q2W17    | 112217    | 102217    | 11/16     | 38.0    |          | 26.0     | 9.0     | 100 |       |
| 1Q2W19    | 112219    | 102219    | 3/4       | 40.0    |          | 28.0     | 10.0    | 105 |       |
| 1Q2W21    | 112221    | 102221    | 13/16     | 40.0    |          | 30.0     | 12.0    | 130 |       |
| 1Q2W22    | 112222    | 102222    | 7/8       | 42.0    |          | 32.0     | 12.0    | 150 |       |
| 1Q2W24    | 112224    | 102224    | 15/16     | 44.0    |          | 34.0     | 14.0    | 180 | C     |
| 1Q2W26    | 112226    | 102226    | 1         | 44.0    |          | 36.0     | 14.0    | 200 |       |
| 1Q2W27    | 112227    | 102227    | 1-1/16    | 46.0    |          | 38.0     | 14.0    | 250 |       |
| 1Q2W28    | 112228    | 102228    | 1-1/8     | 46.0    | 40.0     | 38.0     | 16.0    | 270 |       |
| 1Q2W30    | 112230    | 102230    | 1-3/16    | 46.0    | 42.0     | 38.0     | 16.0    | 300 |       |
| 1Q2W32    | 112232    | 102232    | 1-1/4     | 46.0    | 44.0     | 38.0     | 18.0    | 310 | C     |
|           | 112233    | 102233    | 1-5/16    | 46.0    | 45.0     | 38.0     | 18.0    | 330 |       |
|           | 112235    | 102235    | 1-3/8     | 50.0    | 48.0     | 38.0     | 20.0    | 370 |       |
|           | 112237    | 102237    | 1-7/16    | 50.0    | 50.0     | 38.0     | 20.0    | 410 |       |
|           | 112238    | 102238    | 1-1/2     | 50.0    | 52.0     | 38.0     | 20.0    | 440 |       |

# 1/2" DR. (FLANK TYPE)



| Item No-C | Item No-B | Item No-A | A  | L    | D1   | D2   | W    | g   | SHAPE |
|-----------|-----------|-----------|----|------|------|------|------|-----|-------|
|           |           |           | mm | mm   | mm   | mm   | mm   |     |       |
| 1Q7W08    | 117208    | 107208    | 8  | 38.0 | 14.0 | 22.0 | 6.0  | 70  | A     |
| 1Q7W09    | 117209    | 107209    | 9  | 38.0 | 15.0 | 22.0 | 6.0  | 70  |       |
| 1Q7W10    | 117210    | 107210    | 10 | 38.0 | 17.0 | 22.0 | 6.0  | 70  |       |
| 1Q7W11    | 117211    | 107211    | 11 | 38.0 | 18.0 | 22.0 | 8.0  | 70  |       |
| 1Q7W12    | 117212    | 107212    | 12 | 38.0 | 19.0 | 22.0 | 8.0  | 70  |       |
| 1Q7W13    | 117213    | 107213    | 13 | 38.0 | 20.0 | 22.0 | 8.0  | 70  |       |
| 1Q7W14    | 117214    | 107214    | 14 | 38.0 | 22.0 | 24.0 | 8.0  | 80  |       |
| 1Q7W15    | 117215    | 107215    | 15 | 38.0 |      | 24.0 | 8.0  | 80  | B     |
| 1Q7W16    | 117216    | 107216    | 16 | 38.0 |      | 24.0 | 9.0  | 80  |       |
| 1Q7W17    | 117217    | 107217    | 17 | 38.0 |      | 26.0 | 9.0  | 100 |       |
| 1Q7W18    | 117218    | 107218    | 18 | 38.0 |      | 26.0 | 10.0 | 100 |       |
| 1Q7W19    | 117219    | 107219    | 19 | 40.0 |      | 28.0 | 10.0 | 105 |       |
| 1Q7W20    | 117220    | 107220    | 20 | 40.0 |      | 30.0 | 12.0 | 130 |       |
| 1Q7W21    | 117221    | 107221    | 21 | 40.0 |      | 30.0 | 12.0 | 130 |       |
| 1Q7W22    | 117222    | 107222    | 22 | 42.0 |      | 32.0 | 12.0 | 150 |       |
| 1Q7W23    | 117223    | 107223    | 23 | 42.0 |      | 32.0 | 14.0 | 180 | C     |
| 1Q7W24    | 117224    | 107224    | 24 | 44.0 |      | 34.0 | 14.0 | 180 |       |
| 1Q7W25    | 117225    | 107225    | 25 | 44.0 |      | 35.0 | 14.0 | 200 |       |
| 1Q7W26    | 117226    | 107226    | 26 | 44.0 |      | 36.0 | 14.0 | 200 |       |
| 1Q7W27    | 117227    | 107227    | 27 | 46.0 |      | 38.0 | 14.0 | 250 |       |
| 1Q7W28    | 117228    | 107228    | 28 | 46.0 | 40.0 | 38.0 | 16.0 | 270 |       |
| 1Q7W29    | 117229    | 107229    | 29 | 46.0 | 40.0 | 38.0 | 16.0 | 270 |       |
| 1Q7W30    | 117230    | 107230    | 30 | 46.0 | 42.0 | 38.0 | 16.0 | 300 |       |
| 1Q7W32    | 117232    | 107232    | 32 | 46.0 | 44.0 | 38.0 | 18.0 | 310 | C     |
|           | 117233    | 107233    | 33 | 46.0 | 45.0 | 38.0 | 18.0 | 330 |       |
|           | 117234    | 107234    | 34 | 46.0 | 46.0 | 38.0 | 18.0 | 350 |       |
|           | 117235    | 107235    | 35 | 50.0 | 48.0 | 38.0 | 20.0 | 370 |       |
|           | 117236    | 107236    | 36 | 50.0 | 50.0 | 38.0 | 20.0 | 410 |       |
|           | 117238    | 107238    | 38 | 50.0 | 52.0 | 38.0 | 23.0 | 440 |       |

# 1/2" DR. (FLANK TYPE)



| Item No-C | Item No-B | Item No-A | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|-----------|---------|----------|----------|---------|-----|-------|
| 1R2W08    | 152208    | 142208    | 5/16      | 78.0    | 14.0     | 22.0     | 12.0    | 160 | A     |
| 1R2W10    | 152210    | 142210    | 3/8       | 78.0    | 17.0     | 22.0     | 12.0    | 160 |       |
| 1R2W11    | 152211    | 142211    | 7/16      | 78.0    | 18.0     | 22.0     | 13.0    | 160 |       |
| 1R2W13    | 152213    | 142213    | 1/2       | 78.0    | 20.0     | 22.0     | 14.0    | 190 |       |
| 1R2W14    | 152214    | 142214    | 9/16      | 78.0    | 22.0     | 24.0     | 14.0    | 190 |       |
| 1R2W16    | 152216    | 142216    | 5/8       | 78.0    |          | 24.0     | 16.0    | 190 |       |
| 1R2W17    | 152217    | 142217    | 11/16     | 78.0    |          | 26.0     | 17.0    | 210 | B     |
| 1R2W19    | 152219    | 142219    | 3/4       | 78.0    |          | 28.0     | 20.0    | 240 |       |
| 1R2W21    | 152221    | 142221    | 13/16     | 78.0    |          | 30.0     | 22.0    | 260 |       |
| 1R2W22    | 152222    | 142222    | 7/8       | 78.0    |          | 32.0     | 22.0    | 300 |       |
| 1R2W24    | 152224    | 142224    | 15/16     | 78.0    |          | 34.0     | 24.0    | 300 |       |
| 1R2W26    | 152226    | 142226    | 1         | 78.0    |          | 36.0     | 25.0    | 350 |       |
| 1R2W27    | 152227    | 142227    | 1-1/16    | 78.0    |          | 38.0     | 25.0    | 400 | C     |
| 1R2W28    | 152228    | 142228    | 1-1/8     | 78.0    | 40.0     | 38.0     | 25.0    | 400 |       |
| 1R2W30    | 152230    | 142230    | 1-3/16    | 78.0    | 42.0     | 38.0     | 25.0    | 430 |       |
| 1R2W32    | 152232    | 142232    | 1-1/4     | 78.0    | 44.0     | 38.0     | 25.0    | 450 |       |
|           | 152233    | 142233    | 1-5/16    | 78.0    | 45.0     | 38.0     | 25.0    | 550 |       |
|           | 152235    | 142235    | 1-3/8     | 78.0    | 48.0     | 38.0     | 25.0    | 580 |       |
|           | 152237    | 142237    | 1-7/16    | 78.0    | 50.0     | 38.0     | 25.0    | 580 |       |
|           | 152238    | 142238    | 1-1/2     | 78.0    | 52.0     | 38.0     | 25.0    | 630 |       |

# 1/2" DR. (FLANK TYPE)



| Item No-C | Item No-B | Item No-A | A  | L    | D1   | D2   | W    | g   | SHAPE |
|-----------|-----------|-----------|----|------|------|------|------|-----|-------|
|           |           |           | mm | mm   | mm   | mm   | mm   |     |       |
| 1R7W08    | 157208    | 147208    | 8  | 78.0 | 14.0 | 22.0 | 12.0 | 160 | A     |
| 1R7W09    | 157209    | 147209    | 9  | 78.0 | 15.0 | 22.0 | 12.0 | 160 |       |
| 1R7W10    | 157210    | 147210    | 10 | 78.0 | 17.0 | 22.0 | 12.0 | 160 |       |
| 1R7W11    | 157211    | 147211    | 11 | 78.0 | 18.0 | 22.0 | 13.0 | 160 |       |
| 1R7W12    | 157212    | 147212    | 12 | 78.0 | 19.0 | 22.0 | 14.0 | 160 |       |
| 1R7W13    | 157213    | 147213    | 13 | 78.0 | 20.0 | 24.0 | 14.0 | 190 |       |
| 1R7W14    | 157214    | 147214    | 14 | 78.0 | 22.0 | 24.0 | 14.0 | 190 |       |
| 1R7W15    | 157215    | 147215    | 15 | 78.0 |      | 24.0 | 16.0 | 190 | B     |
| 1R7W16    | 157216    | 147216    | 16 | 78.0 |      | 24.0 | 16.0 | 190 |       |
| 1R7W17    | 157217    | 147217    | 17 | 78.0 |      | 26.0 | 17.0 | 210 |       |
| 1R7W18    | 157218    | 147218    | 18 | 78.0 |      | 26.0 | 18.0 | 240 |       |
| 1R7W19    | 157219    | 147219    | 19 | 78.0 |      | 28.0 | 20.0 | 240 |       |
| 1R7W20    | 157220    | 147220    | 20 | 78.0 |      | 30.0 | 20.0 | 240 |       |
| 1R7W21    | 157221    | 147221    | 21 | 78.0 |      | 30.0 | 22.0 | 260 |       |
| 1R7W22    | 157222    | 147222    | 22 | 78.0 |      | 32.0 | 22.0 | 300 | C     |
| 1R7W23    | 157223    | 147223    | 23 | 78.0 |      | 32.0 | 24.0 | 300 |       |
| 1R7W24    | 157224    | 147224    | 24 | 78.0 |      | 34.0 | 24.0 | 300 |       |
| 1R7W25    | 157225    | 147225    | 25 | 78.0 |      | 35.0 | 24.0 | 350 |       |
| 1R7W26    | 157226    | 147226    | 26 | 78.0 |      | 36.0 | 25.0 | 350 |       |
| 1R7W27    | 157227    | 147227    | 27 | 78.0 |      | 38.0 | 25.0 | 400 |       |
| 1R7W28    | 157228    | 147228    | 28 | 78.0 | 40.0 | 38.0 | 25.0 | 400 |       |
| 1R7W29    | 157229    | 147229    | 29 | 78.0 | 40.0 | 38.0 | 25.0 | 400 |       |
| 1R7W30    | 157230    | 147230    | 30 | 78.0 | 42.0 | 38.0 | 25.0 | 430 | C     |
| 1R7W32    | 157232    | 147232    | 32 | 78.0 | 44.0 | 38.0 | 25.0 | 450 |       |
|           | 157233    | 147233    | 33 | 78.0 | 45.0 | 38.0 | 25.0 | 550 |       |
|           | 157234    | 147234    | 34 | 78.0 | 46.0 | 38.0 | 25.0 | 550 |       |
|           | 157235    | 147235    | 35 | 78.0 | 48.0 | 38.0 | 25.0 | 580 |       |
|           | 157236    | 147236    | 36 | 78.0 | 50.0 | 38.0 | 25.0 | 580 |       |
|           | 157238    | 147238    | 38 | 78.0 | 52.0 | 38.0 | 25.0 | 630 |       |

## IMPACT SETS (FLANK TYPE)

001211

Des. 13PC 1/2"Dr. Deep Impact Socket Set (Metric)

Contents: 1/2"Dr. Deep Impact Socket

12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27 mm

1/2"



001708

Des. 18PC 1/2"Dr. Regular Impact Socket Set (S.A.E.)

Contents: 1/2"Dr. Impact Socket

3/8", 7/16", 1/2", 9/16", 5/8", 11/16",  
3/4", 13/16", 7/8", 15/16", 1-1/16", 1-1/8", 1-3/16", 1-1/4"  
1/2"Dr. Impact Extension Bar 5" & 10"

1/2"



002002

Des. 21PC 1/2"Dr. Regular Impact Socket Set (Metric)

Contents: 1/2"Dr. Impact Socket

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,  
23, 24, 27, 30, 32 mm  
1/2"Dr. Impact Extension Bar 5" & 10"

1/2"



001310

Des. 13PC 1/2"Dr. Regular Impact Socket Set (S.A.E.)

Contents: 1/2"Dr. Impact Socket

7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8",  
15/16", 1", 1-1/16", 1-1/8", 1-1/4"

1/2"



001311

Des. 13PC 1/2"Dr. Deep Impact Socket Set (S.A.E.)

Contents: 1/2"Dr. Deep Impact Socket

7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8",  
15/16", 1", 1-1/16", 1-1/8", 1-1/4"

1/2"



## IMPACT SETS (FLANK TYPE)

### 001408

Des. 14PC 1/2"Dr. Deep Impact Socket Set (Metric)

Contents: 1/2"Dr. Deep Impact Socket

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27 mm



### 002801

Des. 28PC 1/2"Dr. Regular & Deep Impact Socket Set (S.A.E.)

Contents: 1/2"Dr. Regular Impact Socket

7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16",  
1", 1-1/16", 1-1/8", 1-1/4"

1/2"Dr. Deep Impact Socket

7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16",  
1", 1-1/16", 1-1/8", 1-1/4"

1/2"Dr. Impact Universal Joint + Extension Bar 3"



### 002604

Des. 26PC 1/2"Dr. Deep Impact Socket Set (Metric)

Contents: 1/2"Dr. Deep Impact Socket

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,  
22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34,  
35, 36 mm



### 003001

Des. 38PC 1/2"Dr. Regular & Deep Impact Socket Set (Metric)

Contents: 1/2"Dr. Regular Impact Socket

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 mm

1/2"Dr. Deep Impact Socket

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 mm

1/2"Dr. Impact Universal Joint + Extension Bar 3"



# 1/4"DR. IMPACT SOCKET



| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  | SHAPE |
|---------|-----------|---------|----------|----------|---------|----|-------|
| 100004  | 5/32      | 23.0    | 7.6      | 13.0     | 2.0     | 13 | A     |
| 100005  | 3/16      | 23.0    | 7.8      | 13.0     | 3.0     | 14 |       |
| 100055  | 7/32      | 23.0    | 8.8      | 13.0     | 3.2     | 14 |       |
| 100006  | 1/4       | 23.0    | 10.3     | 13.0     | 3.2     | 14 |       |
| 100007  | 9/32      | 23.0    | 11.3     | 13.0     | 3.2     | 14 |       |
| 100008  | 5/16      | 23.0    | 12.5     | 13.0     | 3.2     | 14 | B     |
| 100009  | 11/32     | 23.0    | 13.0     | 13.0     | 4.5     | 16 |       |
| 100010  | 3/8       | 23.0    | 14.3     | 13.0     | 5.6     | 16 | C     |
| 100011  | 7/16      | 23.0    | 15.8     | 13.0     | 6.0     | 19 |       |
| 100013  | 1/2       | 23.0    | 18.5     | 13.0     | 7.2     | 21 |       |
| 100014  | 9/16      | 23.0    | 19.8     | 13.0     | 7.2     | 21 |       |

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  | SHAPE |
|---------|---------|---------|----------|----------|---------|----|-------|
| 105004  | 4       | 23.0    | 7.6      | 13.0     | 2.0     | 13 | A     |
| 105045  | 4.5     | 23.0    | 8.2      | 13.0     | 3.0     | 14 |       |
| 105005  | 5       | 23.0    | 8.8      | 13.0     | 3.0     | 14 |       |
| 105055  | 5.5     | 23.0    | 9.5      | 13.0     | 3.0     | 14 |       |
| 105006  | 6       | 23.0    | 10.0     | 13.0     | 3.0     | 14 |       |
| 105007  | 7       | 23.0    | 11.3     | 13.0     | 3.0     | 14 | B     |
| 105008  | 8       | 23.0    | 12.5     | 13.0     | 3.5     | 14 |       |
| 105009  | 9       | 23.0    | 13.0     | 13.0     | 4.0     | 16 | C     |
| 105010  | 10      | 23.0    | 14.3     | 13.0     | 4.5     | 16 |       |
| 105011  | 11      | 23.0    | 15.8     | 13.0     | 6.0     | 19 |       |
| 105012  | 12      | 23.0    | 16.8     | 13.0     | 6.0     | 19 |       |
| 105013  | 13      | 23.0    | 18.8     | 13.0     | 6.0     | 21 |       |
| 105014  | 14      | 23.0    | 19.8     | 13.0     | 7.0     | 21 |       |
| 105015  | 15      | 23.0    | 20.8     | 13.0     | 7.0     | 24 |       |

# 1/4"DR. DEEP IMPACT SOCKET



| Item No | A           | L         | D1        | D2        | W         | g  | SHAPE |
|---------|-------------|-----------|-----------|-----------|-----------|----|-------|
|         | <b>inch</b> | <b>mm</b> | <b>mm</b> | <b>mm</b> | <b>mm</b> |    |       |
| 140004  | 5/32        | 50.0      | 7.6       | 13.0      | 2.0       | 38 | A     |
| 140005  | 3/16        | 50.0      | 7.8       | 13.0      | 3.0       | 38 |       |
| 140055  | 7/32        | 50.0      | 8.5       | 13.0      | 3.0       | 38 |       |
| 140006  | 1/4         | 50.0      | 10.3      | 13.0      | 3.0       | 38 |       |
| 140007  | 9/32        | 50.0      | 11.3      | 13.0      | 3.0       | 40 |       |
| 140008  | 5/16        | 50.0      | 12.5      | 13.0      | 3.5       | 40 | B     |
| 140009  | 11/32       | 50.0      | 13.0      | 13.0      | 4.0       | 45 |       |
| 140010  | 3/8         | 50.0      | 14.3      | 13.0      | 4.5       | 57 | C     |
| 140011  | 7/16        | 50.0      | 15.8      | 13.0      | 6.0       | 62 |       |
| 140013  | 1/2         | 50.0      | 18.8      | 13.0      | 6.0       | 75 |       |
| 140014  | 9/16        | 50.0      | 19.8      | 13.0      | 7.0       | 86 |       |

| Item No | A         | L         | D1        | D2        | W         | g  | SHAPE |
|---------|-----------|-----------|-----------|-----------|-----------|----|-------|
|         | <b>mm</b> | <b>mm</b> | <b>mm</b> | <b>mm</b> | <b>mm</b> |    |       |
| 145004  | 4         | 50.0      | 7.6       | 13.0      | 2.0       | 38 | A     |
| 145045  | 4.5       | 50.0      | 8.2       | 13.0      | 2.0       | 38 |       |
| 145005  | 5         | 50.0      | 8.8       | 13.0      | 2.8       | 38 |       |
| 145055  | 5.5       | 50.0      | 9.5       | 13.0      | 2.8       | 38 |       |
| 145006  | 6         | 50.0      | 10.0      | 13.0      | 3.1       | 38 |       |
| 145007  | 7         | 50.0      | 11.3      | 13.0      | 3.6       | 40 | B     |
| 145008  | 8         | 50.0      | 12.5      | 13.0      | 3.6       | 40 |       |
| 145009  | 9         | 50.0      | 13.0      | 13.0      | 4.1       | 45 | C     |
| 145010  | 10        | 50.0      | 14.3      | 13.0      | 4.6       | 57 |       |
| 145011  | 11        | 50.0      | 15.8      | 13.0      | 5.5       | 62 |       |
| 145012  | 12        | 50.0      | 16.8      | 13.0      | 6.1       | 68 |       |
| 145013  | 13        | 50.0      | 18.8      | 13.0      | 6.8       | 75 |       |
| 145014  | 14        | 50.0      | 19.8      | 13.0      | 7.5       | 86 |       |
| 145015  | 15        | 50.0      | 20.8      | 13.0      | 7.5       | 96 |       |



## 3/8"DR. IMPACT SOCKET



| Item No-C | Item No-B | Item No-A | A     | L    | D1   | D2   | W    | g   | SHAPE |
|-----------|-----------|-----------|-------|------|------|------|------|-----|-------|
|           |           |           | inch  | mm   | mm   | mm   | mm   |     |       |
| 1Q1Y06    | 111006    | 101006    | 1/4   | 28.0 | 11.0 | 19.0 | 4.0  | 32  | A     |
| 1Q1Y08    | 111008    | 101008    | 5/16  | 28.0 | 13.5 | 19.0 | 4.0  | 32  |       |
| 1Q1Y10    | 111010    | 101010    | 3/8   | 28.0 | 15.0 | 19.0 | 5.0  | 33  |       |
| 1Q1Y11    | 111011    | 101011    | 7/16  | 30.0 | 17.3 | 19.0 | 5.0  | 35  |       |
| 1Q1Y13    | 111013    | 101013    | 1/2   | 30.0 | 20.2 | 22.0 | 6.0  | 46  |       |
| 1Q1Y14    | 111014    | 101014    | 9/16  | 30.0 | 21.1 | 22.0 | 8.0  | 46  | C     |
| 1Q1Y16    | 111016    | 101016    | 5/8   | 30.0 | 23.8 | 22.0 | 8.0  | 54  |       |
| 1Q1Y17    | 111017    | 101017    | 11/16 | 32.0 | 23.8 | 22.0 | 8.5  | 54  |       |
| 1Q1Y19    | 111019    | 101019    | 3/4   | 32.0 | 27.5 | 22.0 | 9.0  | 70  |       |
| 1Q1Y21    | 111021    | 101021    | 13/16 | 32.0 | 29.8 | 22.0 | 10.0 | 70  |       |
| 1Q1Y22    | 111022    | 101022    | 7/8   | 32.0 | 31.8 | 22.0 | 10.0 | 85  |       |
| 1Q1Y24    | 111024    | 101024    | 15/16 | 32.0 | 33.8 | 22.0 | 12.0 | 130 |       |
| 1Q1Y26    | 111026    | 101026    | 1     | 32.0 | 33.8 | 22.0 | 12.0 | 140 |       |

| Item No-C | Item No-B | Item No-A | A  | L    | D1   | D2   | W    | g   | SHAPE |
|-----------|-----------|-----------|----|------|------|------|------|-----|-------|
|           |           |           | mm | mm   | mm   | mm   | mm   |     |       |
| 1Q6Y06    | 116006    | 106006    | 6  | 28.0 | 11.3 | 19.0 | 3.0  | 32  | A     |
| 1Q6Y07    | 116007    | 106007    | 7  | 28.0 | 12.1 | 19.0 | 3.5  | 32  |       |
| 1Q6Y08    | 116008    | 106008    | 8  | 28.0 | 13.5 | 19.0 | 4.0  | 32  |       |
| 1Q6Y09    | 116009    | 106009    | 9  | 28.0 | 14.5 | 19.0 | 4.1  | 32  |       |
| 1Q6Y10    | 116010    | 106010    | 10 | 28.0 | 15.8 | 19.0 | 5.0  | 33  |       |
| 1Q6Y11    | 116011    | 106011    | 11 | 30.0 | 17.0 | 19.0 | 5.5  | 35  | B     |
| 1Q6Y12    | 116012    | 106012    | 12 | 30.0 | 18.2 | 19.0 | 6.1  | 35  |       |
| 1Q6Y13    | 116013    | 106013    | 13 | 30.0 | 19.5 | 22.0 | 6.8  | 46  |       |
| 1Q6Y14    | 116014    | 106014    | 14 | 30.0 | 20.8 | 22.0 | 8.5  | 46  |       |
| 1Q6Y15    | 116015    | 106015    | 15 | 30.0 | 22.0 | 22.0 | 8.5  | 50  |       |
| 1Q6Y16    | 116016    | 106016    | 16 | 30.0 | 23.8 | 22.0 | 10.0 | 54  |       |
| 1Q6Y17    | 116017    | 106017    | 17 | 32.0 | 23.8 | 22.0 | 10.0 | 54  |       |
| 1Q6Y18    | 116018    | 106018    | 18 | 32.0 | 25.8 | 22.0 | 10.5 | 62  | C     |
| 1Q6Y19    | 116019    | 106019    | 19 | 32.0 | 27.5 | 22.0 | 11.0 | 70  |       |
| 1Q6Y20    | 116020    | 106020    | 20 | 32.0 | 27.8 | 22.0 | 11.0 | 70  |       |
| 1Q6Y21    | 116021    | 106021    | 21 | 32.0 | 29.8 | 22.0 | 11.7 | 70  |       |
| 1Q6Y22    | 116022    | 106022    | 22 | 32.0 | 31.8 | 22.0 | 12.5 | 83  |       |
| 1Q6Y23    | 116023    | 106023    | 23 | 32.0 | 31.8 | 22.0 | 12.7 | 120 |       |
| 1Q6Y24    | 116024    | 106024    | 24 | 32.0 | 33.8 | 22.0 | 13.9 | 130 |       |

## 3/8"DR. DEEP IMPACT SOCKET



| Item No-C | Item No-B | Item No-A | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|-----------|---------|----------|----------|---------|-----|-------|
| 1R1Y06    | 151006    | 141006    | 1/4       | 63.0    | 11.0     | 19.0     | 4.0     | 75  | A     |
| 1R1Y08    | 151008    | 141008    | 5/16      | 63.0    | 13.5     | 19.0     | 4.0     | 75  |       |
| 1R1Y10    | 151010    | 141010    | 3/8       | 63.0    | 15.0     | 19.0     | 5.0     | 75  |       |
| 1R1Y11    | 151011    | 141011    | 7/16      | 63.0    | 17.3     | 19.0     | 5.0     | 75  |       |
| 1R1Y13    | 151013    | 141013    | 1/2       | 63.0    | 20.2     | 22.0     | 6.0     | 105 |       |
| 1R1Y14    | 151014    | 141014    | 9/16      | 63.0    | 21.1     | 22.0     | 8.0     | 105 |       |
| 1R1Y16    | 151016    | 141016    | 5/8       | 63.0    | 23.8     | 22.0     | 8.0     | 125 |       |
| 1R1Y17    | 151017    | 141017    | 11/16     | 63.0    | 23.8     | 22.0     | 8.5     | 125 |       |
| 1R1Y19    | 151019    | 141019    | 3/4       | 63.0    | 27.5     | 22.0     | 9.0     | 165 | C     |
| 1R1Y21    | 151021    | 141021    | 13/16     | 63.0    | 29.8     | 22.0     | 10.0    | 230 |       |
| 1R1Y22    | 151022    | 141022    | 7/8       | 63.0    | 31.8     | 22.0     | 10.0    | 240 |       |
| 1R1Y24    | 151024    | 141024    | 15/16     | 63.0    | 33.8     | 22.0     | 12.0    | 260 |       |
| 1R1Y26    | 151026    | 141026    | 1         | 63.0    | 33.8     | 22.0     | 12.0    | 270 |       |

| Item No-C | Item No-B | Item No-A | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|---------|---------|----------|----------|---------|-----|-------|
| 1R6Y06    | 156006    | 146006    | 6       | 63.0    | 11.3     | 19.0     | 4.0     | 75  | A     |
| 1R6Y07    | 156007    | 146007    | 7       | 63.0    | 12.1     | 19.0     | 4.0     | 75  |       |
| 1R6Y08    | 156008    | 146008    | 8       | 63.0    | 13.5     | 19.0     | 4.0     | 75  |       |
| 1R6Y09    | 156009    | 146009    | 9       | 63.0    | 14.5     | 19.0     | 4.1     | 75  |       |
| 1R6Y10    | 156010    | 146010    | 10      | 63.0    | 15.8     | 19.0     | 5.0     | 75  |       |
| 1R6Y11    | 156011    | 146011    | 11      | 63.0    | 17.0     | 19.0     | 5.5     | 75  |       |
| 1R6Y12    | 156012    | 146012    | 12      | 63.0    | 18.2     | 19.0     | 6.1     | 80  |       |
| 1R6Y13    | 156013    | 146013    | 13      | 63.0    | 19.5     | 22.0     | 6.8     | 105 |       |
| 1R6Y14    | 156014    | 146014    | 14      | 63.0    | 20.8     | 22.0     | 8.5     | 105 | B     |
| 1R6Y15    | 156015    | 146015    | 15      | 63.0    | 22.0     | 22.0     | 8.5     | 110 |       |
| 1R6Y16    | 156016    | 146016    | 16      | 63.0    | 23.8     | 22.0     | 10.0    | 125 |       |
| 1R6Y17    | 156017    | 146017    | 17      | 63.0    | 23.8     | 22.0     | 10.0    | 125 |       |
| 1R6Y18    | 156018    | 146018    | 18      | 63.0    | 25.8     | 22.0     | 10.5    | 135 |       |
| 1R6Y19    | 156019    | 146019    | 19      | 63.0    | 27.5     | 22.0     | 11.0    | 165 | C     |
| 1R6Y20    | 156020    | 146020    | 20      | 63.0    | 27.8     | 22.0     | 11.0    | 220 |       |
| 1R6Y21    | 156021    | 146021    | 21      | 63.0    | 29.8     | 22.0     | 11.7    | 230 |       |
| 1R6Y22    | 156022    | 146022    | 22      | 63.0    | 31.8     | 22.0     | 12.5    | 240 |       |
| 1R6Y23    | 156023    | 146023    | 23      | 63.0    | 31.8     | 22.0     | 12.7    | 260 |       |
| 1R6Y24    | 156024    | 146024    | 24      | 63.0    | 33.8     | 22.0     | 13.9    | 260 |       |

# 1/2"DR. IMPACT SOCKET (S.A.E)



| Item No-C | Item No-B | Item No-A | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|-----------|---------|----------|----------|---------|-----|-------|
| 1Q2Y08    | 112008    | 102008    | 5/16      | 38.0    | 14.0     | 25.0     | 6.0     | 70  | A     |
| 1Q2Y10    | 112010    | 102010    | 3/8       | 38.0    | 17.0     | 25.0     | 6.0     | 70  |       |
| 1Q2Y11    | 112011    | 102011    | 7/16      | 38.0    | 18.5     | 25.0     | 8.0     | 70  |       |
| 1Q2Y13    | 112013    | 102013    | 1/2       | 38.0    | 20.5     | 25.0     | 8.0     | 75  |       |
| 1Q2Y14    | 112014    | 102014    | 9/16      | 38.0    | 23.0     | 25.0     | 8.0     | 80  |       |
| 1Q2Y16    | 112016    | 102016    | 5/8       | 38.0    | 24.5     | 30.0     | 9.0     | 115 |       |
| 1Q2Y17    | 112017    | 102017    | 11/16     | 38.0    | 27.0     | 30.0     | 9.0     | 120 |       |
| 1Q2Y19    | 112019    | 102019    | 3/4       | 38.0    | 28.0     | 30.0     | 10.0    | 120 | B     |
| 1Q2Y21    | 112021    | 102021    | 13/16     | 38.0    | 30.0     | 30.0     | 12.0    | 120 |       |
| 1Q2Y22    | 112022    | 102022    | 7/8       | 38.0    | 31.8     | 30.0     | 12.0    | 130 |       |
| 1Q2Y24    | 112024    | 102024    | 15/16     | 40.0    | 33.8     | 30.0     | 14.0    | 135 |       |
| 1Q2Y26    | 112026    | 102026    | 1         | 40.0    | 35.8     | 30.0     | 14.0    | 140 | C     |
| 1Q2Y27    | 112027    | 102027    | 1-1/16    | 43.0    | 37.8     | 30.0     | 14.0    | 180 |       |
| 1Q2Y28    | 112028    | 102028    | 1-1/8     | 43.0    | 39.8     | 30.0     | 16.0    | 200 |       |
| 1Q2Y30    | 112030    | 102030    | 1-3/16    | 43.0    | 41.8     | 30.0     | 16.0    | 210 |       |
| 1Q2Y32    | 112032    | 102032    | 1-1/4     | 43.0    | 43.8     | 30.0     | 18.0    | 220 |       |
| 1Q2Y33    | 112033    | 102033    | 1-5/16    | 46.0    | 44.8     | 30.0     | 18.0    | 230 |       |
| 1Q2Y35    | 112035    | 102035    | 1-3/8     | 50.0    | 47.8     | 30.0     | 20.0    | 250 |       |
| 1Q2Y37    | 112037    | 102037    | 1-7/16    | 50.0    | 49.8     | 30.0     | 20.0    | 280 |       |
| 1Q2Y38    | 112038    | 102038    | 1-1/2     | 50.0    | 51.8     | 30.0     | 20.0    | 310 |       |
| 1Q2Y41    | 112041    | 102041    | 1-5/8     | 50.0    | 56.0     | 38.0     | 23.0    | 400 |       |

# 1/2"DR. IMPACT SOCKET (METRIC)



| Item No-C | Item No-B | Item No-A | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|---------|---------|----------|----------|---------|-----|-------|
| 1Q7Y07    | 117007    | 107007    | 7       | 38.0    | 13.0     | 25.0     | 4.0     | 70  | A     |
| 1Q7Y08    | 117008    | 107008    | 8       | 38.0    | 14.0     | 25.0     | 6.0     | 70  |       |
| 1Q7Y09    | 117009    | 107009    | 9       | 38.0    | 15.0     | 25.0     | 6.0     | 70  |       |
| 1Q7Y10    | 117010    | 107010    | 10      | 38.0    | 17.0     | 25.0     | 6.0     | 70  |       |
| 1Q7Y11    | 117011    | 107011    | 11      | 38.0    | 18.0     | 25.0     | 8.0     | 70  |       |
| 1Q7Y12    | 117012    | 107012    | 12      | 38.0    | 19.0     | 25.0     | 8.0     | 70  |       |
| 1Q7Y13    | 117013    | 107013    | 13      | 38.0    | 20.0     | 25.0     | 8.0     | 75  |       |
| 1Q7Y14    | 117014    | 107014    | 14      | 38.0    | 22.0     | 25.0     | 8.0     | 80  |       |
| 1Q7Y15    | 117015    | 107015    | 15      | 38.0    | 23.0     | 30.0     | 8.0     | 112 |       |
| 1Q7Y16    | 117016    | 107016    | 16      | 38.0    | 24.0     | 30.0     | 9.0     | 112 |       |
| 1Q7Y17    | 117017    | 107017    | 17      | 38.0    | 26.0     | 30.0     | 9.0     | 120 | B     |
| 1Q7Y18    | 117018    | 107018    | 18      | 38.0    | 27.0     | 30.0     | 10.0    | 120 |       |
| 1Q7Y19    | 117019    | 107019    | 19      | 38.0    | 28.0     | 30.0     | 10.0    | 120 |       |
| 1Q7Y20    | 117020    | 107020    | 20      | 38.0    | 29.0     | 30.0     | 12.0    | 120 |       |
| 1Q7Y21    | 117021    | 107021    | 21      | 38.0    | 30.0     | 30.0     | 12.0    | 120 |       |
| 1Q7Y22    | 117022    | 107022    | 22      | 38.0    | 31.8     | 30.0     | 12.0    | 128 |       |
| 1Q7Y23    | 117023    | 107023    | 23      | 38.0    | 31.8     | 30.0     | 14.0    | 128 |       |
| 1Q7Y24    | 117024    | 107024    | 24      | 40.0    | 33.8     | 30.0     | 14.0    | 135 |       |
| 1Q7Y25    | 117025    | 107025    | 25      | 40.0    | 35.0     | 30.0     | 14.0    | 140 |       |
| 1Q7Y26    | 117026    | 107026    | 26      | 43.0    | 35.8     | 30.0     | 14.0    | 140 | C     |
| 1Q7Y27    | 117027    | 107027    | 27      | 43.0    | 37.8     | 30.0     | 14.0    | 180 |       |
| 1Q7Y28    | 117028    | 107028    | 28      | 43.0    | 39.8     | 30.0     | 16.0    | 200 |       |
| 1Q7Y29    | 117029    | 107029    | 29      | 43.0    | 39.8     | 30.0     | 16.0    | 200 |       |
| 1Q7Y30    | 117030    | 107030    | 30      | 43.0    | 41.8     | 30.0     | 16.0    | 210 |       |
| 1Q7Y32    | 117032    | 107032    | 32      | 43.0    | 43.8     | 30.0     | 18.0    | 210 |       |
| 1Q7Y33    | 117033    | 107033    | 33      | 46.0    | 44.8     | 30.0     | 18.0    | 220 |       |
| 1Q7Y34    | 117034    | 107034    | 34      | 46.0    | 45.8     | 30.0     | 18.0    | 230 |       |
| 1Q7Y35    | 117035    | 107035    | 35      | 50.0    | 47.8     | 30.0     | 20.0    | 250 |       |
| 1Q7Y36    | 117036    | 107036    | 36      | 50.0    | 49.8     | 30.0     | 20.0    | 312 |       |
| 1Q7Y38    | 117038    | 107038    | 38      | 50.0    | 51.8     | 30.0     | 20.0    | 340 |       |
| 1Q7Y39    | 117039    | 107039    | 39      | 50.0    | 52.0     | 30.0     | 20.0    | 370 |       |
| 1Q7Y41    | 117041    | 107041    | 41      | 50.0    | 56.0     | 38.0     | 23.0    | 400 |       |
| 1Q7Y46    | 117046    | 107046    | 46      | 60.0    | 62.0     | 44.0     | 24.0    | 550 |       |

# 1/2"DR. DEEP IMPACT SOCKET (S.A.E)



| Item No-C | Item No-B | Item No-A | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|-----------|---------|----------|----------|---------|-----|-------|
| 1R2Y08    | 152008    | 142008    | 5/16      | 78.0    | 14.0     | 25.0     | 12.0    | 160 | A     |
| 1R2Y10    | 152010    | 142010    | 3/8       | 78.0    | 17.0     | 25.0     | 12.0    | 160 |       |
| 1R2Y11    | 152011    | 142011    | 7/16      | 78.0    | 18.5     | 25.0     | 13.0    | 160 |       |
| 1R2Y13    | 152013    | 142013    | 1/2       | 78.0    | 20.5     | 25.0     | 14.0    | 180 |       |
| 1R2Y14    | 152014    | 142014    | 9/16      | 78.0    | 23.0     | 25.0     | 14.0    | 180 |       |
| 1R2Y16    | 152016    | 142016    | 5/8       | 78.0    | 24.5     | 30.0     | 16.0    | 180 |       |
| 1R2Y17    | 152017    | 142017    | 11/16     | 78.0    | 27.0     | 30.0     | 17.0    | 220 |       |
| 1R2Y19    | 152019    | 142019    | 3/4       | 78.0    | 28.0     | 30.0     | 20.0    | 250 | B     |
| 1R2Y21    | 152021    | 142021    | 13/16     | 78.0    | 30.0     | 30.0     | 22.0    | 290 |       |
| 1R2Y22    | 152022    | 142022    | 7/8       | 78.0    | 31.8     | 30.0     | 22.0    | 320 |       |
| 1R2Y24    | 152024    | 142024    | 15/16     | 78.0    | 33.8     | 30.0     | 24.0    | 320 |       |
| 1R2Y26    | 152026    | 142026    | 1         | 78.0    | 35.8     | 30.0     | 25.0    | 340 | C     |
| 1R2Y27    | 152027    | 142027    | 1-1/16    | 78.0    | 37.8     | 30.0     | 25.0    | 410 |       |
| 1R2Y28    | 152028    | 142028    | 1-1/8     | 78.0    | 39.8     | 30.0     | 25.0    | 410 |       |
| 1R2Y30    | 152030    | 142030    | 1-3/16    | 78.0    | 41.8     | 30.0     | 25.0    | 410 |       |
| 1R2Y32    | 152032    | 142032    | 1-1/4     | 78.0    | 43.8     | 30.0     | 25.0    | 430 |       |
| 1R2Y33    | 152033    | 142033    | 1-5/16    | 78.0    | 44.8     | 30.0     | 25.0    | 430 |       |
| 1R2Y35    | 152035    | 142035    | 1-3/8     | 78.0    | 47.8     | 30.0     | 25.0    | 480 |       |
| 1R2Y37    | 152037    | 142037    | 1-7/16    | 78.0    | 49.8     | 30.0     | 25.0    | 570 |       |
| 1R2Y38    | 152038    | 142038    | 1-1/2     | 78.0    | 51.8     | 30.0     | 25.0    | 620 |       |

# 1/2"DR. DEEP IMPACT SOCKET (METRIC)



| Item No-C | Item No-B | Item No-A | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|-----------|-----------|-----------|---------|---------|----------|----------|---------|-----|-------|
| 1R7Y08    | 157008    | 147008    | 8       | 78.0    | 14.0     | 25.0     | 12.0    | 160 | A     |
| 1R7Y09    | 157009    | 147009    | 9       | 78.0    | 15.0     | 25.0     | 12.0    | 160 |       |
| 1R7Y10    | 157010    | 147010    | 10      | 78.0    | 17.0     | 25.0     | 12.0    | 160 |       |
| 1R7Y11    | 157011    | 147011    | 11      | 78.0    | 18.0     | 25.0     | 13.0    | 160 |       |
| 1R7Y12    | 157012    | 147012    | 12      | 78.0    | 19.0     | 25.0     | 14.0    | 160 |       |
| 1R7Y13    | 157013    | 147013    | 13      | 78.0    | 20.0     | 25.0     | 14.0    | 180 |       |
| 1R7Y14    | 157014    | 147014    | 14      | 78.0    | 22.0     | 25.0     | 14.0    | 180 |       |
| 1R7Y15    | 157015    | 147015    | 15      | 78.0    | 23.0     | 30.0     | 16.0    | 210 |       |
| 1R7Y16    | 157016    | 147016    | 16      | 78.0    | 24.0     | 30.0     | 16.0    | 210 |       |
| 1R7Y17    | 157017    | 147017    | 17      | 78.0    | 26.0     | 30.0     | 17.0    | 220 |       |
| 1R7Y18    | 157018    | 147018    | 18      | 78.0    | 27.0     | 30.0     | 18.0    | 220 |       |
| 1R7Y19    | 157019    | 147019    | 19      | 78.0    | 28.0     | 30.0     | 20.0    | 220 |       |
| 1R7Y20    | 157020    | 147020    | 20      | 78.0    | 29.0     | 30.0     | 20.0    | 220 |       |
| 1R7Y21    | 157021    | 147021    | 21      | 78.0    | 30.0     | 30.0     | 22.0    | 220 | B     |
| 1R7Y22    | 157022    | 147022    | 22      | 78.0    | 31.8     | 30.0     | 22.0    | 230 |       |
| 1R7Y23    | 157023    | 147023    | 23      | 78.0    | 31.8     | 30.0     | 24.0    | 230 |       |
| 1R7Y24    | 157024    | 147024    | 24      | 78.0    | 33.8     | 30.0     | 24.0    | 310 |       |
| 1R7Y25    | 157025    | 147025    | 25      | 78.0    | 35.0     | 30.0     | 24.0    | 340 |       |
| 1R7Y26    | 157026    | 147026    | 26      | 78.0    | 35.8     | 30.0     | 25.0    | 340 |       |
| 1R7Y27    | 157027    | 147027    | 27      | 78.0    | 37.8     | 30.0     | 25.0    | 410 | C     |
| 1R7Y28    | 157028    | 147028    | 28      | 78.0    | 39.8     | 30.0     | 25.0    | 410 |       |
| 1R7Y29    | 157029    | 147029    | 29      | 78.0    | 39.8     | 30.0     | 25.0    | 410 |       |
| 1R7Y30    | 157030    | 147030    | 30      | 78.0    | 41.8     | 30.0     | 25.0    | 410 |       |
| 1R7Y32    | 157032    | 147032    | 32      | 78.0    | 43.8     | 30.0     | 25.0    | 430 |       |
| 1R7Y33    | 157033    | 147033    | 33      | 78.0    | 44.8     | 30.0     | 25.0    | 430 |       |
| 1R7Y34    | 157034    | 147034    | 34      | 78.0    | 45.8     | 30.0     | 25.0    | 430 |       |
| 1R7Y35    | 157035    | 147035    | 35      | 78.0    | 47.8     | 30.0     | 25.0    | 480 |       |
| 1R7Y36    | 157036    | 147036    | 36      | 78.0    | 49.8     | 30.0     | 25.0    | 570 |       |
| 1R7Y38    | 157038    | 147038    | 38      | 78.0    | 51.8     | 30.0     | 25.0    | 620 |       |
| 1R7Y41    | 157041    | 147041    | 41      | 78.0    | 56.0     | 30.0     | 27.0    | 790 |       |
| 1R7Y46    | 157046    | 147046    | 46      | 78.0    | 62.0     | 38.0     | 27.0    | 910 |       |

## 3/4"DR. IMPACT SOCKET (S.A.E)



| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g    | SHAPE |
|---------|-----------|---------|----------|----------|---------|------|-------|
| 103213  | 1/2       | 50.0    | 22.0     | 38.0     | 6.3     | 210  | A     |
| 103214  | 9/16      | 50.0    | 25.5     | 38.0     | 6.3     | 210  |       |
| 103216  | 5/8       | 50.0    | 27.5     | 38.0     | 7.1     | 220  |       |
| 103217  | 11/16     | 50.0    | 29.0     | 38.0     | 8.1     | 230  |       |
| 103219  | 3/4       | 52.0    | 30.2     | 38.0     | 9.0     | 230  |       |
| 103221  | 13/16     | 52.0    | 32.0     | 38.0     | 10.6    | 240  |       |
| 103222  | 7/8       | 52.0    | 34.0     | 38.0     | 12.2    | 250  | B     |
| 103224  | 15/16     | 52.0    | 36.0     | 38.0     | 12.4    | 250  |       |
| 103226  | 1         | 52.0    | 38.0     | 38.0     | 12.4    | 260  |       |
| 103227  | 1-1/16    | 52.0    | 40.0     | 40.0     | 12.4    | 280  |       |
| 103228  | 1-1/8     | 52.0    | 42.0     | 42.0     | 16.1    | 330  |       |
| 103230  | 1-3/16    | 52.0    | 44.0     | 44.0     | 16.1    | 370  | C     |
| 103232  | 1-1/4     | 52.0    | 46.0     | 44.0     | 16.1    | 370  |       |
| 103233  | 1-5/16    | 56.0    | 50.0     | 44.0     | 18.8    | 410  |       |
| 103235  | 1-3/8     | 56.0    | 52.0     | 44.0     | 18.8    | 440  |       |
| 103237  | 1-7/16    | 56.0    | 54.0     | 44.0     | 18.8    | 450  |       |
| 103238  | 1-1/2     | 56.0    | 56.0     | 44.0     | 21.5    | 460  |       |
| 103240  | 1-9/16    | 58.0    | 58.0     | 44.0     | 21.5    | 560  |       |
| 103241  | 1-5/8     | 58.0    | 60.0     | 44.0     | 21.5    | 590  |       |
| 103243  | 1-11/16   | 62.0    | 63.5     | 44.0     | 24.6    | 700  |       |
| 103244  | 1-3/4     | 62.0    | 65.0     | 44.0     | 24.9    | 750  |       |
| 103246  | 1-13/16   | 63.0    | 67.0     | 44.0     | 25.1    | 770  |       |
| 103248  | 1-7/8     | 68.0    | 68.0     | 44.0     | 27.0    | 790  |       |
| 103249  | 1-15/16   | 70.0    | 70.0     | 44.0     | 27.0    | 790  |       |
| 103251  | 2         | 72.0    | 71.0     | 54.0     | 27.0    | 880  |       |
| 103252  | 2-1/16    | 72.0    | 74.0     | 54.0     | 29.2    | 920  |       |
| 103254  | 2-1/8     | 72.0    | 77.0     | 54.0     | 30.3    | 1250 |       |
| 103256  | 2-3/16    | 74.0    | 77.0     | 54.0     | 30.3    | 1250 |       |
| 103257  | 2-1/4     | 74.0    | 80.0     | 54.0     | 32.4    | 1450 |       |
| 103259  | 2-5/16    | 75.0    | 82.0     | 54.0     | 32.8    | 1500 |       |
| 103260  | 2-3/8     | 80.0    | 84.0     | 54.0     | 33.1    | 1550 |       |
| 103262  | 2-7/16    | 80.0    | 85.0     | 54.0     | 34.4    | 1580 |       |
| 103264  | 2-1/2     | 80.0    | 86.0     | 54.0     | 34.4    | 1620 |       |
| 103265  | 2-9/16    | 80.0    | 88.0     | 54.0     | 35.1    | 1720 |       |
| 103270  | 2-3/4     | 85.0    | 96.0     | 54.0     | 37.8    | 1920 |       |

## 3/4"DR. IMPACT SOCKET (METRIC)



| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g    | SHAPE |
|---------|---------|---------|----------|----------|---------|------|-------|
| 108213  | 13      | 50.0    | 22.0     | 38.0     | 7.0     | 210  | A     |
| 108214  | 14      | 50.0    | 25.5     | 38.0     | 7.0     | 210  |       |
| 108215  | 15      | 50.0    | 26.0     | 38.0     | 7.0     | 220  |       |
| 108216  | 16      | 50.0    | 27.5     | 38.0     | 7.0     | 220  |       |
| 108217  | 17      | 50.0    | 28.5     | 38.0     | 9.6     | 230  |       |
| 108218  | 18      | 52.0    | 29.5     | 38.0     | 10.2    | 230  |       |
| 108219  | 19      | 52.0    | 30.0     | 38.0     | 11.1    | 230  |       |
| 108220  | 20      | 52.0    | 31.0     | 38.0     | 11.5    | 240  |       |
| 108221  | 21      | 52.0    | 32.0     | 38.0     | 11.7    | 240  |       |
| 108222  | 22      | 52.0    | 34.0     | 38.0     | 12.5    | 250  |       |
| 108223  | 23      | 52.0    | 35.0     | 38.0     | 12.7    | 250  | B     |
| 108224  | 24      | 52.0    | 36.0     | 38.0     | 14.0    | 250  |       |
| 108225  | 25      | 52.0    | 38.0     | 38.0     | 14.0    | 270  |       |
| 108226  | 26      | 52.0    | 38.0     | 38.0     | 14.6    | 270  |       |
| 108227  | 27      | 52.0    | 40.0     | 40.0     | 15.8    | 280  |       |
| 108228  | 28      | 52.0    | 42.0     | 42.0     | 16.3    | 320  |       |
| 108229  | 29      | 52.0    | 42.0     | 42.0     | 16.7    | 320  |       |
| 108230  | 30      | 52.0    | 46.0     | 44.0     | 16.7    | 370  | C     |
| 108232  | 32      | 52.0    | 48.0     | 44.0     | 18.3    | 380  |       |
| 108233  | 33      | 56.0    | 50.0     | 44.0     | 19.1    | 410  |       |
| 108234  | 34      | 56.0    | 51.0     | 44.0     | 20.0    | 410  |       |
| 108235  | 35      | 56.0    | 52.0     | 44.0     | 20.1    | 470  |       |
| 108236  | 36      | 56.0    | 53.5     | 44.0     | 21.5    | 470  |       |
| 108237  | 37      | 56.0    | 54.0     | 44.0     | 21.5    | 470  |       |
| 108238  | 38      | 56.0    | 56.0     | 44.0     | 22.3    | 470  |       |
| 108239  | 39      | 58.0    | 56.0     | 44.0     | 22.3    | 480  |       |
| 108240  | 40      | 58.0    | 58.0     | 44.0     | 22.8    | 540  |       |
| 108241  | 41      | 58.0    | 60.0     | 44.0     | 23.0    | 590  |       |
| 108242  | 42      | 58.0    | 61.0     | 44.0     | 23.0    | 660  |       |
| 108243  | 43      | 62.0    | 63.0     | 44.0     | 23.0    | 700  |       |
| 108244  | 44      | 62.0    | 65.0     | 44.0     | 23.0    | 720  |       |
| 108245  | 45      | 63.0    | 66.0     | 44.0     | 23.0    | 740  |       |
| 108246  | 46      | 63.0    | 67.0     | 44.0     | 23.0    | 770  |       |
| 108247  | 47      | 68.0    | 68.0     | 44.0     | 27.0    | 820  |       |
| 108248  | 48      | 68.0    | 69.0     | 44.0     | 27.0    | 830  |       |
| 108249  | 49      | 70.0    | 70.0     | 44.0     | 29.0    | 830  |       |
| 108250  | 50      | 72.0    | 71.0     | 54.0     | 29.8    | 970  |       |
| 108252  | 52      | 72.0    | 74.0     | 54.0     | 29.8    | 1150 |       |
| 108254  | 54      | 72.0    | 77.0     | 54.0     | 29.8    | 1250 |       |
| 108255  | 55      | 74.0    | 77.0     | 54.0     | 29.8    | 1250 |       |
| 108256  | 56      | 74.0    | 77.0     | 54.0     | 31.0    | 1250 |       |
| 108257  | 57      | 74.0    | 80.0     | 54.0     | 31.0    | 1450 |       |
| 108258  | 58      | 74.0    | 82.0     | 54.0     | 31.0    | 1550 |       |
| 108259  | 59      | 75.0    | 82.0     | 54.0     | 33.0    | 1580 |       |
| 108260  | 60      | 80.0    | 84.0     | 54.0     | 33.0    | 1600 |       |
| 108262  | 62      | 80.0    | 85.0     | 54.0     | 33.0    | 1620 |       |
| 108265  | 65      | 80.0    | 88.0     | 54.0     | 33.0    | 1650 |       |
| 108267  | 67      | 80.0    | 90.0     | 54.0     | 35.0    | 1720 |       |
| 108270  | 70      | 85.0    | 96.0     | 54.0     | 35.0    | 1920 |       |



## 3/4"DR. DEEP IMPACT SOCKET (S.A.E)



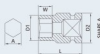
| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g    | SHAPE |
|---------|-----------|---------|----------|----------|---------|------|-------|
| 143213  | 1/2       | 90.0    | 22.0     | 38.0     | 12.0    | 380  | A     |
| 143214  | 9/16      | 90.0    | 25.5     | 38.0     | 12.0    | 380  |       |
| 143216  | 5/8       | 90.0    | 27.5     | 38.0     | 12.0    | 380  |       |
| 143217  | 11/16     | 90.0    | 29.0     | 38.0     | 12.0    | 390  |       |
| 143219  | 3/4       | 90.0    | 30.0     | 38.0     | 12.0    | 390  |       |
| 143221  | 13/16     | 90.0    | 32.0     | 38.0     | 12.0    | 400  |       |
| 143222  | 7/8       | 90.0    | 34.0     | 38.0     | 19.0    | 440  |       |
| 143224  | 15/16     | 90.0    | 36.0     | 38.0     | 19.0    | 440  |       |
| 143226  | 1         | 90.0    | 38.0     | 38.0     | 19.0    | 450  | B     |
| 143227  | 1-1/16    | 90.0    | 40.0     | 40.0     | 19.0    | 510  |       |
| 143228  | 1-1/8     | 90.0    | 42.0     | 42.0     | 19.0    | 570  |       |
| 143230  | 1-3/16    | 90.0    | 44.0     | 44.0     | 19.0    | 610  |       |
| 143232  | 1-1/4     | 90.0    | 46.0     | 44.0     | 19.0    | 630  |       |
| 143233  | 1-5/16    | 90.0    | 50.0     | 44.0     | 19.0    | 660  |       |
| 143235  | 1-3/8     | 90.0    | 52.0     | 44.0     | 19.0    | 770  |       |
| 143237  | 1-7/16    | 90.0    | 54.0     | 44.0     | 19.0    | 770  |       |
| 143238  | 1-1/2     | 92.0    | 56.0     | 44.0     | 22.0    | 830  | C     |
| 143240  | 1-9/16    | 92.0    | 58.0     | 44.0     | 40.0    | 860  |       |
| 143241  | 1-5/8     | 92.0    | 60.0     | 44.0     | 40.0    | 870  |       |
| 143243  | 1-11/16   | 92.0    | 63.5     | 44.0     | 40.0    | 1050 |       |
| 143244  | 1-3/4     | 92.0    | 65.0     | 44.0     | 40.0    | 1090 |       |
| 143246  | 1-13/16   | 92.0    | 67.0     | 44.0     | 40.0    | 1150 |       |
| 143248  | 1-7/8     | 92.0    | 68.0     | 44.0     | 40.0    | 1200 |       |
| 143249  | 1-15/16   | 92.0    | 70.0     | 44.0     | 40.0    | 1250 |       |
| 143251  | 2         | 95.0    | 71.0     | 54.0     | 40.0    | 1310 |       |
| 143252  | 2-1/16    | 95.0    | 74.0     | 54.0     | 40.0    | 1380 |       |
| 143254  | 2-1/8     | 100.0   | 77.0     | 54.0     | 40.0    | 1650 |       |
| 143256  | 2-3/16    | 100.0   | 77.0     | 54.0     | 40.0    | 1700 |       |
| 143257  | 2-1/4     | 100.0   | 80.0     | 54.0     | 40.0    | 1720 |       |
| 143259  | 2-5/16    | 105.0   | 82.0     | 54.0     | 40.0    | 1810 |       |
| 143260  | 2-3/8     | 105.0   | 84.0     | 54.0     | 40.0    | 2050 |       |
| 143262  | 2-7/16    | 105.0   | 85.0     | 54.0     | 40.0    | 2080 |       |
| 143264  | 2-1/2     | 105.0   | 86.0     | 54.0     | 40.0    | 2250 |       |
| 143265  | 2-9/16    | 105.0   | 88.0     | 54.0     | 40.0    | 2300 |       |
| 143270  | 2-3/4     | 105.0   | 96.0     | 54.0     | 40.0    | 2450 |       |

# 3/4"DR. DEEP IMPACT SOCKET (METRIC)



| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g    | SHAPE |
|---------|---------|---------|----------|----------|---------|------|-------|
| 148213  | 13      | 90.0    | 22.0     | 38.0     | 12.0    | 380  | A     |
| 148214  | 14      | 90.0    | 25.5     | 38.0     | 12.0    | 380  |       |
| 148215  | 15      | 90.0    | 26.0     | 38.0     | 12.0    | 380  |       |
| 148216  | 16      | 90.0    | 27.5     | 38.0     | 12.0    | 380  |       |
| 148217  | 17      | 90.0    | 28.5     | 38.0     | 12.0    | 390  |       |
| 148218  | 18      | 90.0    | 29.5     | 38.0     | 12.0    | 390  |       |
| 148219  | 19      | 90.0    | 30.0     | 38.0     | 12.0    | 390  |       |
| 148220  | 20      | 90.0    | 31.0     | 38.0     | 12.0    | 390  |       |
| 148221  | 21      | 90.0    | 32.0     | 38.0     | 12.0    | 400  |       |
| 148222  | 22      | 90.0    | 34.0     | 38.0     | 19.0    | 430  |       |
| 148223  | 23      | 90.0    | 35.0     | 38.0     | 19.0    | 430  | B     |
| 148224  | 24      | 90.0    | 36.0     | 38.0     | 19.0    | 440  |       |
| 148225  | 25      | 90.0    | 38.0     | 38.0     | 19.0    | 460  |       |
| 148226  | 26      | 90.0    | 38.0     | 38.0     | 19.0    | 460  |       |
| 148227  | 27      | 90.0    | 40.0     | 40.0     | 19.0    | 500  |       |
| 148228  | 28      | 90.0    | 42.0     | 42.0     | 19.0    | 550  |       |
| 148229  | 29      | 90.0    | 42.0     | 42.0     | 19.0    | 560  |       |
| 148230  | 30      | 90.0    | 46.0     | 44.0     | 19.0    | 620  |       |
| 148232  | 32      | 90.0    | 48.0     | 44.0     | 19.0    | 630  |       |
| 148233  | 33      | 90.0    | 50.0     | 44.0     | 19.0    | 670  | C     |
| 148234  | 34      | 90.0    | 51.0     | 44.0     | 19.0    | 670  |       |
| 148235  | 35      | 90.0    | 52.0     | 44.0     | 19.0    | 770  |       |
| 148236  | 36      | 90.0    | 53.5     | 44.0     | 19.0    | 790  |       |
| 148237  | 37      | 90.0    | 54.0     | 44.0     | 19.0    | 800  |       |
| 148238  | 38      | 92.0    | 56.0     | 44.0     | 19.0    | 830  |       |
| 148239  | 39      | 92.0    | 56.0     | 44.0     | 40.0    | 850  |       |
| 148240  | 40      | 92.0    | 58.0     | 44.0     | 40.0    | 880  |       |
| 148241  | 41      | 92.0    | 60.0     | 44.0     | 40.0    | 880  |       |
| 148242  | 42      | 92.0    | 61.0     | 44.0     | 40.0    | 1050 |       |
| 148243  | 43      | 92.0    | 63.0     | 44.0     | 40.0    | 1050 |       |
| 148244  | 44      | 92.0    | 65.0     | 44.0     | 40.0    | 1060 |       |
| 148245  | 45      | 92.0    | 66.0     | 44.0     | 40.0    | 1100 |       |
| 148246  | 46      | 92.0    | 67.0     | 44.0     | 40.0    | 1150 |       |
| 148247  | 47      | 92.0    | 68.0     | 44.0     | 40.0    | 1160 |       |
| 148248  | 48      | 92.0    | 69.0     | 44.0     | 40.0    | 1200 |       |
| 148249  | 49      | 92.0    | 70.0     | 44.0     | 40.0    | 1220 |       |
| 148250  | 50      | 95.0    | 71.0     | 54.0     | 40.0    | 1320 |       |
| 148252  | 52      | 95.0    | 74.0     | 54.0     | 40.0    | 1380 |       |
| 148254  | 54      | 100.0   | 76.0     | 54.0     | 40.0    | 1650 |       |
| 148255  | 55      | 100.0   | 77.0     | 54.0     | 40.0    | 1690 |       |
| 148257  | 57      | 100.0   | 80.0     | 54.0     | 40.0    | 1820 |       |
| 148258  | 58      | 105.0   | 82.0     | 54.0     | 40.0    | 1920 |       |
| 148259  | 59      | 105.0   | 82.0     | 54.0     | 40.0    | 1920 |       |
| 148260  | 60      | 105.0   | 84.0     | 54.0     | 40.0    | 2020 |       |
| 148262  | 62      | 105.0   | 85.0     | 54.0     | 40.0    | 2080 |       |
| 148265  | 65      | 105.0   | 88.0     | 54.0     | 40.0    | 2300 |       |
| 148270  | 70      | 105.0   | 96.0     | 54.0     | 40.0    | 2450 |       |

## 3/4"DR. 6PT INDUSTRIAL TYPE



| Item No | A  | L    | D1   | D2   | W    | g    | SHAPE |
|---------|----|------|------|------|------|------|-------|
|         | mm | mm   | mm   | mm   | mm   |      |       |
| 108017  | 17 | 50.5 | 30.0 | 44.0 | 9.6  | 230  | A     |
| 108019  | 19 | 50.5 | 32.5 | 44.0 | 11.1 | 230  |       |
| 108021  | 21 | 50.5 | 35.0 | 44.0 | 11.7 | 240  |       |
| 108022  | 22 | 50.5 | 36.0 | 44.0 | 12.5 | 250  |       |
| 108023  | 23 | 50.5 | 37.5 | 44.0 | 12.7 | 250  |       |
| 108024  | 24 | 50.5 | 38.5 | 44.0 | 14.0 | 250  |       |
| 108027  | 27 | 52.0 | 42.5 | 44.0 | 15.8 | 280  |       |
| 108029  | 29 | 52.0 | 45.5 | 44.0 | 16.7 | 320  |       |
| 108230  | 30 | 52.0 | 46.0 | 44.0 | 16.7 | 370  | C     |
| 108232  | 32 | 52.0 | 48.0 | 44.0 | 18.3 | 380  |       |
| 108233  | 33 | 56.0 | 50.0 | 44.0 | 19.1 | 410  |       |
| 108234  | 34 | 56.0 | 51.0 | 44.0 | 20.0 | 410  |       |
| 108235  | 35 | 56.0 | 52.0 | 44.0 | 20.1 | 470  |       |
| 108236  | 36 | 56.0 | 53.5 | 44.0 | 21.5 | 470  |       |
| 108237  | 37 | 56.0 | 54.0 | 44.0 | 21.5 | 470  |       |
| 108238  | 38 | 56.0 | 56.0 | 44.0 | 22.3 | 470  |       |
| 108239  | 39 | 58.0 | 56.0 | 44.0 | 22.3 | 480  |       |
| 108240  | 40 | 58.0 | 58.0 | 44.0 | 22.8 | 540  |       |
| 108241  | 41 | 58.0 | 60.0 | 44.0 | 24.9 | 590  |       |
| 108242  | 42 | 58.0 | 61.0 | 44.0 | 25.4 | 660  |       |
| 108243  | 43 | 62.0 | 63.0 | 44.0 | 25.4 | 700  |       |
| 108244  | 44 | 62.0 | 65.0 | 44.0 | 25.4 | 720  |       |
| 108245  | 45 | 63.0 | 66.0 | 44.0 | 25.4 | 740  |       |
| 108246  | 46 | 63.0 | 67.0 | 44.0 | 28.6 | 770  |       |
| 108247  | 47 | 68.0 | 68.0 | 44.0 | 29.0 | 820  |       |
| 108248  | 48 | 68.0 | 69.0 | 44.0 | 29.0 | 830  |       |
| 108249  | 49 | 70.0 | 70.0 | 44.0 | 29.0 | 830  |       |
| 108250  | 50 | 72.0 | 71.0 | 54.0 | 29.8 | 970  |       |
| 108252  | 52 | 72.0 | 74.0 | 54.0 | 29.8 | 1150 |       |
| 108254  | 54 | 72.0 | 77.0 | 54.0 | 29.8 | 1250 |       |
| 108255  | 55 | 74.0 | 77.0 | 54.0 | 29.8 | 1250 |       |
| 108256  | 56 | 74.0 | 77.0 | 54.0 | 31.0 | 1250 |       |
| 108257  | 57 | 74.0 | 80.0 | 54.0 | 31.0 | 1450 |       |
| 108258  | 58 | 74.0 | 82.0 | 54.0 | 31.0 | 1550 |       |
| 108259  | 59 | 75.0 | 82.0 | 54.0 | 33.0 | 1580 |       |
| 108260  | 60 | 80.0 | 84.0 | 54.0 | 33.0 | 1600 |       |
| 108262  | 62 | 80.0 | 85.0 | 54.0 | 33.0 | 1620 |       |
| 108265  | 65 | 80.0 | 88.0 | 54.0 | 33.0 | 1650 |       |
| 108267  | 67 | 80.0 | 90.0 | 54.0 | 35.0 | 1720 |       |
| 108270  | 70 | 85.0 | 96.0 | 54.0 | 35.0 | 1920 |       |

## 3/4"DR. 12PT INDUSTRIAL TYPE



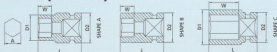
| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g    | SHAPE |
|---------|---------|---------|----------|----------|---------|------|-------|
| 118017  | 17      | 50.5    | 30.0     | 44.0     | 9.6     | 230  | A     |
| 118019  | 19      | 50.5    | 32.5     | 44.0     | 11.1    | 230  |       |
| 118021  | 21      | 50.5    | 35.0     | 44.0     | 11.7    | 240  |       |
| 118022  | 22      | 50.5    | 36.0     | 44.0     | 12.5    | 250  |       |
| 118023  | 23      | 50.5    | 37.5     | 44.0     | 12.7    | 250  |       |
| 118024  | 24      | 50.5    | 38.5     | 44.0     | 14.0    | 250  |       |
| 118027  | 27      | 52.0    | 42.5     | 44.0     | 15.8    | 280  |       |
| 118029  | 29      | 52.0    | 45.5     | 44.0     | 16.7    | 320  |       |
| 118230  | 30      | 52.0    | 46.0     | 44.0     | 16.7    | 370  |       |
| 118232  | 32      | 52.0    | 48.0     | 44.0     | 18.3    | 380  |       |
| 118233  | 33      | 56.0    | 50.0     | 44.0     | 19.1    | 410  | C     |
| 118234  | 34      | 56.0    | 51.0     | 44.0     | 20.0    | 410  |       |
| 118235  | 35      | 56.0    | 52.0     | 44.0     | 20.1    | 470  |       |
| 118236  | 36      | 56.0    | 53.5     | 44.0     | 21.5    | 470  |       |
| 118237  | 37      | 56.0    | 54.0     | 44.0     | 21.5    | 470  |       |
| 118238  | 38      | 56.0    | 56.0     | 44.0     | 22.3    | 470  |       |
| 118239  | 39      | 58.0    | 56.0     | 44.0     | 22.3    | 480  |       |
| 118240  | 40      | 58.0    | 58.0     | 44.0     | 22.8    | 540  |       |
| 118241  | 41      | 58.0    | 60.0     | 44.0     | 24.9    | 590  |       |
| 118242  | 42      | 58.0    | 61.0     | 44.0     | 25.4    | 660  |       |
| 118243  | 43      | 62.0    | 63.0     | 44.0     | 25.4    | 700  |       |
| 118244  | 44      | 62.0    | 65.0     | 44.0     | 25.4    | 720  |       |
| 118245  | 45      | 63.0    | 66.0     | 44.0     | 25.4    | 740  |       |
| 118246  | 46      | 63.0    | 67.0     | 44.0     | 28.6    | 770  |       |
| 118247  | 47      | 68.0    | 68.0     | 44.0     | 29.0    | 820  |       |
| 118248  | 48      | 68.0    | 69.0     | 44.0     | 29.0    | 830  |       |
| 118249  | 49      | 70.0    | 70.0     | 44.0     | 29.0    | 830  |       |
| 118250  | 50      | 72.0    | 71.0     | 54.0     | 29.8    | 970  |       |
| 118252  | 52      | 72.0    | 74.0     | 54.0     | 29.8    | 1150 |       |
| 118254  | 54      | 72.0    | 77.0     | 54.0     | 29.8    | 1250 |       |
| 118255  | 55      | 74.0    | 77.0     | 54.0     | 29.8    | 1250 |       |
| 118256  | 56      | 74.0    | 77.0     | 54.0     | 31.0    | 1250 |       |
| 118257  | 57      | 74.0    | 80.0     | 54.0     | 31.0    | 1450 |       |
| 118258  | 58      | 74.0    | 82.0     | 54.0     | 31.0    | 1550 |       |
| 118259  | 59      | 75.0    | 82.0     | 54.0     | 33.0    | 1580 |       |
| 118260  | 60      | 80.0    | 84.0     | 54.0     | 33.0    | 1600 |       |
| 118262  | 62      | 80.0    | 85.0     | 54.0     | 33.0    | 1620 |       |
| 118265  | 65      | 80.0    | 88.0     | 54.0     | 33.0    | 1650 |       |
| 118267  | 67      | 80.0    | 90.0     | 54.0     | 35.0    | 1720 |       |
| 118270  | 70      | 85.0    | 96.0     | 54.0     | 35.0    | 1920 |       |

# 1"DR. IMPACT SOCKET (S.A.E)



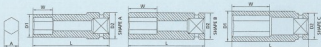
| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g     | SHAPE |
|---------|-----------|---------|----------|----------|---------|-------|-------|
| 104216  | 5/8       | 58.0    | 32.0     | 51.0     | 8.0     | 470   | A     |
| 104217  | 11/16     | 58.0    | 34.0     | 51.0     | 8.1     | 480   |       |
| 104219  | 3/4       | 58.0    | 36.0     | 51.0     | 9.5     | 500   |       |
| 104221  | 13/16     | 58.0    | 38.0     | 51.0     | 11.0    | 510   |       |
| 104222  | 7/8       | 58.0    | 39.0     | 51.0     | 12.5    | 510   |       |
| 104224  | 15/16     | 58.0    | 40.0     | 51.0     | 12.5    | 510   |       |
| 104226  | 1         | 58.0    | 42.0     | 51.0     | 12.5    | 520   |       |
| 104227  | 1-1/16    | 58.0    | 44.0     | 51.0     | 12.5    | 520   |       |
| 104228  | 1-1/8     | 58.0    | 46.0     | 51.0     | 12.5    | 530   | B     |
| 104230  | 1-3/16    | 60.0    | 48.0     | 51.0     | 16.5    | 550   |       |
| 104232  | 1-1/4     | 60.0    | 51.0     | 51.0     | 16.5    | 610   |       |
| 104233  | 1-5/16    | 62.0    | 52.0     | 52.0     | 19.0    | 620   |       |
| 104235  | 1-3/8     | 62.0    | 54.0     | 54.0     | 19.0    | 630   |       |
| 104237  | 1-7/16    | 62.0    | 56.0     | 54.0     | 19.0    | 640   |       |
| 104238  | 1-1/2     | 62.0    | 58.0     | 54.0     | 22.0    | 670   |       |
| 104240  | 1-9/16    | 62.0    | 60.0     | 54.0     | 22.0    | 870   | C     |
| 104241  | 1-5/8     | 62.0    | 61.5     | 54.0     | 22.0    | 920   |       |
| 104243  | 1-11/16   | 64.0    | 65.0     | 54.0     | 25.0    | 920   |       |
| 104244  | 1-3/4     | 64.0    | 66.0     | 58.0     | 25.0    | 1000  |       |
| 104246  | 1-13/16   | 64.0    | 68.0     | 58.0     | 25.6    | 1000  |       |
| 104248  | 1-7/8     | 66.0    | 70.0     | 58.0     | 27.0    | 1080  |       |
| 104249  | 1-15/16   | 68.0    | 72.0     | 58.0     | 27.0    | 1080  |       |
| 104251  | 2         | 70.0    | 74.0     | 58.0     | 27.0    | 1100  |       |
| 104252  | 2-1/16    | 70.0    | 75.0     | 58.0     | 30.0    | 1200  |       |
| 104254  | 2-1/8     | 70.0    | 78.0     | 58.0     | 30.0    | 1250  |       |
| 104256  | 2-3/16    | 72.0    | 80.0     | 62.0     | 30.0    | 1450  |       |
| 104257  | 2-1/4     | 75.0    | 84.0     | 62.0     | 32.5    | 1520  |       |
| 104259  | 2-5/16    | 75.0    | 86.0     | 62.0     | 32.5    | 1520  |       |
| 104260  | 2-3/8     | 78.0    | 87.0     | 62.0     | 33.5    | 1720  |       |
| 104262  | 2-7/16    | 78.0    | 89.0     | 62.0     | 34.0    | 1890  |       |
| 104264  | 2-1/2     | 80.0    | 91.0     | 62.0     | 34.0    | 1900  |       |
| 104265  | 2-9/16    | 80.0    | 93.0     | 62.0     | 35.0    | 1900  |       |
| 104267  | 2-5/8     | 82.0    | 95.0     | 62.0     | 37.5    | 2000  |       |
| 104268  | 2-11/16   | 82.0    | 97.0     | 62.0     | 37.5    | 2200  |       |
| 104270  | 2-3/4     | 85.0    | 98.0     | 62.0     | 38.0    | 2250  |       |
| 104271  | 2-13/16   | 87.0    | 100.0    | 62.0     | 40.0    | 2380  |       |
| 104273  | 2-7/8     | 87.0    | 102.0    | 62.0     | 40.0    | 2400  |       |
| 104275  | 2-15/16   | 95.0    | 104.0    | 86.0     | 41.0    | 3190  |       |
| 104276  | 3         | 98.0    | 106.0    | 86.0     | 43.0    | 3450  |       |
| 104278  | 3-1/16    | 100.0   | 107.0    | 86.0     | 43.5    | 3550  |       |
| 104279  | 3-1/8     | 100.0   | 109.0    | 86.0     | 43.5    | 3620  |       |
| 104283  | 3-1/4     | 100.0   | 113.0    | 86.0     | 43.5    | 3800  |       |
| 104286  | 3-3/8     | 100.0   | 115.0    | 86.0     | 47.5    | 4050  |       |
| 104289  | 3-1/2     | 105.0   | 125.0    | 86.0     | 49.0    | 5170  |       |
| 104292  | 3-5/8     | 105.0   | 127.0    | 86.0     | 51.0    | 5200  |       |
| 104295  | 3-3/4     | 105.0   | 130.0    | 86.0     | 51.0    | 5250  |       |
| 104298  | 3-7/8     | 105.0   | 136.0    | 95.0     | 55.0    | 5990  |       |
| 1042A0  | 3-15/16   | 105.0   | 137.0    | 95.0     | 55.0    | 6000  |       |
| 1042A2  | 4         | 105.0   | 140.0    | 95.0     | 56.0    | 6000  |       |
| 1042A5  | 4-1/8     | 105.0   | 143.0    | 95.0     | 57.5    | 6500  |       |
| 1042A8  | 4-1/4     | 105.0   | 147.0    | 95.0     | 58.5    | 7200  |       |
| 1042B4  | 4-1/2     | 105.0   | 152.0    | 95.0     | 61.0    | 10000 |       |

# 1"DR. IMPACT SOCKET (METRIC)



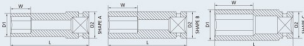
| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g     | SHAPE |
|---------|---------|---------|----------|----------|---------|-------|-------|
| 109217  | 17      | 58.0    | 34.0     | 51.0     | 11.5    | 490   | A     |
| 109218  | 18      | 58.0    | 35.0     | 51.0     | 11.5    | 500   |       |
| 109219  | 19      | 58.0    | 36.0     | 51.0     | 11.5    | 500   |       |
| 109220  | 20      | 58.0    | 37.0     | 51.0     | 11.5    | 500   |       |
| 109221  | 21      | 58.0    | 38.0     | 51.0     | 11.5    | 500   |       |
| 109222  | 22      | 58.0    | 39.0     | 51.0     | 12.5    | 510   |       |
| 109223  | 23      | 58.0    | 40.0     | 51.0     | 13.0    | 510   |       |
| 109224  | 24      | 58.0    | 40.5     | 51.0     | 14.0    | 510   |       |
| 109225  | 25      | 58.0    | 41.0     | 51.0     | 14.5    | 510   |       |
| 109226  | 26      | 58.0    | 42.5     | 51.0     | 15.0    | 520   |       |
| 109227  | 27      | 58.0    | 44.0     | 51.0     | 16.0    | 520   | B     |
| 109228  | 28      | 58.0    | 45.0     | 51.0     | 16.0    | 530   |       |
| 109229  | 29      | 60.0    | 46.0     | 51.0     | 16.5    | 530   |       |
| 109230  | 30      | 60.0    | 48.0     | 51.0     | 17.0    | 530   |       |
| 109232  | 32      | 62.0    | 51.0     | 51.0     | 18.5    | 590   |       |
| 109233  | 33      | 62.0    | 52.0     | 52.0     | 19.5    | 620   |       |
| 109234  | 34      | 62.0    | 54.0     | 54.0     | 19.5    | 640   |       |
| 109235  | 35      | 62.0    | 54.0     | 54.0     | 20.5    | 650   |       |
| 109236  | 36      | 62.0    | 56.0     | 54.0     | 21.5    | 670   |       |
| 109237  | 37      | 62.0    | 57.0     | 54.0     | 22.0    | 670   | C     |
| 109238  | 38      | 62.0    | 58.0     | 54.0     | 22.5    | 680   |       |
| 109239  | 39      | 62.0    | 58.7     | 54.0     | 23.0    | 770   |       |
| 109240  | 40      | 62.0    | 60.0     | 54.0     | 23.0    | 870   |       |
| 109241  | 41      | 62.0    | 61.5     | 54.0     | 23.0    | 920   |       |
| 109242  | 42      | 64.0    | 63.0     | 54.0     | 23.0    | 980   |       |
| 109243  | 43      | 64.0    | 65.0     | 54.0     | 23.0    | 1000  |       |
| 109244  | 44      | 64.0    | 65.0     | 54.0     | 23.0    | 1000  |       |
| 109245  | 45      | 64.0    | 66.0     | 54.0     | 23.0    | 1000  |       |
| 109246  | 46      | 64.0    | 68.0     | 54.0     | 23.0    | 1000  |       |
| 109247  | 47      | 66.0    | 69.0     | 54.0     | 24.0    | 1000  |       |
| 109248  | 48      | 66.0    | 70.0     | 54.0     | 27.0    | 1050  |       |
| 109250  | 50      | 70.0    | 73.0     | 54.0     | 26.0    | 1070  |       |
| 109253  | 53      | 70.0    | 75.0     | 54.0     | 27.0    | 1200  |       |
| 109255  | 55      | 72.0    | 79.0     | 54.0     | 28.0    | 1440  |       |
| 109258  | 58      | 75.0    | 85.0     | 54.0     | 30.0    | 1620  |       |
| 109260  | 60      | 78.0    | 87.0     | 54.0     | 31.0    | 1730  |       |
| 109263  | 63      | 80.0    | 91.0     | 54.0     | 36.0    | 1900  |       |
| 109265  | 65      | 80.0    | 93.0     | 54.0     | 35.0    | 1900  |       |
| 109270  | 70      | 85.0    | 98.0     | 54.0     | 35.0    | 2190  |       |
| 109275  | 75      | 95.0    | 104.0    | 86.0     | 40.0    | 3200  |       |
| 109276  | 76      | 98.0    | 106.0    | 86.0     | 43.0    | 3480  |       |
| 109280  | 80      | 100.0   | 109.0    | 86.0     | 47.0    | 3650  |       |
| 109285  | 85      | 100.0   | 115.0    | 86.0     | 47.0    | 4100  |       |
| 109290  | 90      | 105.0   | 125.0    | 86.0     | 47.0    | 5200  |       |
| 109295  | 95      | 105.0   | 130.0    | 86.0     | 50.0    | 5250  |       |
| 1092A0  | 100     | 105.0   | 137.0    | 95.0     | 55.0    | 6050  |       |
| 1092A5  | 105     | 105.0   | 143.0    | 95.0     | 55.0    | 6550  |       |
| 1092B0  | 110     | 105.0   | 147.0    | 95.0     | 55.0    | 7250  |       |
| 1092B5  | 115     | 105.0   | 152.0    | 95.0     | 55.0    | 10000 |       |
| 1092C0  | 120     | 110.0   | 160.0    | 95.0     | 60.0    | 14000 |       |
| 1092C5  | 125     | 115.0   | 165.0    | 95.0     | 63.0    | 19000 |       |
| 1092A9  | 49      | 68.0    | 72.0     | 58.0     | 27.0    | 1080  |       |
| 109251  | 51      | 70.0    | 74.0     | 58.0     | 27.0    | 1070  |       |
| 109252  | 52      | 70.0    | 75.0     | 58.0     | 30.0    | 1100  |       |
| 109254  | 54      | 70.0    | 78.0     | 58.0     | 31.0    | 1250  |       |
| 109256  | 56      | 72.0    | 80.0     | 62.0     | 31.0    | 1440  |       |
| 109257  | 57      | 75.0    | 84.0     | 62.0     | 32.5    | 1620  |       |
| 109259  | 59      | 75.0    | 86.0     | 62.0     | 32.5    | 1520  |       |
| 109262  | 62      | 78.0    | 89.0     | 62.0     | 35.5    | 1800  |       |
| 109273  | 73      | 87.0    | 102.0    | 62.0     | 40.0    | 2400  |       |

# 1"DR. DEEP IMPACT SOCKET (S.A.E)



| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | S<br>mm | SHAPE |
|---------|-----------|---------|----------|----------|---------|---------|-------|
| 144216  | 5/8       | 90.0    | 32.0     | 51.0     | 9.0     | 600     | A     |
| 144217  | 11/16     | 90.0    | 34.0     | 51.0     | 16.0    | 620     |       |
| 144219  | 3/4       | 90.0    | 36.0     | 51.0     | 16.0    | 700     |       |
| 144221  | 13/16     | 90.0    | 38.0     | 51.0     | 16.0    | 700     |       |
| 144222  | 7/8       | 90.0    | 39.0     | 51.0     | 16.0    | 710     |       |
| 144224  | 15/16     | 90.0    | 40.0     | 51.0     | 16.0    | 720     |       |
| 144226  | 1         | 90.0    | 42.0     | 51.0     | 19.0    | 760     |       |
| 144227  | 1-1/16    | 90.0    | 44.0     | 51.0     | 19.0    | 800     |       |
| 144228  | 1-1/8     | 90.0    | 46.0     | 51.0     | 19.0    | 800     |       |
| 144230  | 1-3/16    | 90.0    | 48.0     | 51.0     | 19.0    | 820     |       |
| 144232  | 1-1/4     | 90.0    | 51.0     | 51.0     | 19.0    | 910     | B     |
| 144233  | 1-5/16    | 90.0    | 52.0     | 52.0     | 23.0    | 910     |       |
| 144235  | 1-3/8     | 90.0    | 54.0     | 54.0     | 23.0    | 910     |       |
| 144237  | 1-7/16    | 90.0    | 56.0     | 54.0     | 23.0    | 950     |       |
| 144238  | 1-1/2     | 92.0    | 58.0     | 54.0     | 23.0    | 1000    |       |
| 144240  | 1-9/16    | 92.0    | 60.0     | 54.0     | 40.0    | 1200    |       |
| 144241  | 1-5/8     | 92.0    | 61.5     | 54.0     | 40.0    | 1200    | C     |
| 144243  | 1-11/16   | 92.0    | 65.0     | 54.0     | 40.0    | 1200    |       |
| 144244  | 1-3/4     | 92.0    | 66.0     | 58.0     | 40.0    | 1350    |       |
| 144246  | 1-13/16   | 92.0    | 68.0     | 58.0     | 40.0    | 1350    |       |
| 144248  | 1-7/8     | 92.0    | 70.0     | 58.0     | 40.0    | 1500    |       |
| 144249  | 1-15/16   | 92.0    | 72.0     | 58.0     | 40.0    | 1560    |       |
| 144251  | 2         | 95.0    | 74.0     | 58.0     | 40.0    | 1560    |       |
| 144252  | 2-1/16    | 95.0    | 75.0     | 58.0     | 52.0    | 1600    |       |
| 144254  | 2-1/8     | 100.0   | 78.0     | 58.0     | 52.0    | 1750    |       |
| 144256  | 2-3/16    | 100.0   | 80.0     | 62.0     | 52.0    | 2000    |       |
| 144257  | 2-1/4     | 100.0   | 84.0     | 62.0     | 52.0    | 2200    |       |
| 144259  | 2-5/16    | 105.0   | 86.0     | 62.0     | 52.0    | 2260    |       |
| 144260  | 2-3/8     | 105.0   | 87.0     | 62.0     | 52.0    | 2350    |       |
| 144262  | 2-7/16    | 110.0   | 89.0     | 62.0     | 60.0    | 2500    |       |
| 144264  | 2-1/2     | 110.0   | 91.0     | 62.0     | 60.0    | 2580    |       |
| 144265  | 2-9/16    | 120.0   | 93.0     | 62.0     | 60.0    | 3000    |       |
| 144267  | 2-5/8     | 120.0   | 95.0     | 62.0     | 60.0    | 3220    |       |
| 144268  | 2-11/16   | 124.0   | 97.0     | 62.0     | 60.0    | 3250    |       |
| 144270  | 2-3/4     | 124.0   | 98.0     | 62.0     | 60.0    | 3280    |       |
| 144271  | 2-13/16   | 128.0   | 100.0    | 62.0     | 60.0    | 3700    |       |
| 144273  | 2-7/8     | 128.0   | 102.0    | 62.0     | 60.0    | 4150    |       |
| 144275  | 2-15/16   | 135.0   | 104.0    | 86.0     | 60.0    | 4550    |       |
| 144276  | 3         | 135.0   | 106.0    | 86.0     | 60.0    | 4550    |       |
| 144278  | 3-1/6     | 135.0   | 107.0    | 86.0     | 60.0    | 4850    |       |
| 144279  | 3-1/8     | 135.0   | 109.0    | 86.0     | 75.0    | 4850    |       |
| 144283  | 3-1/4     | 135.0   | 113.0    | 86.0     | 75.0    | 5150    |       |
| 144286  | 3-3/8     | 140.0   | 115.0    | 86.0     | 75.0    | 5250    |       |
| 144289  | 3-1/2     | 140.0   | 125.0    | 86.0     | 75.0    | 5750    |       |
| 144292  | 3-5/8     | 140.0   | 127.0    | 86.0     | 75.0    | 6050    |       |
| 144295  | 3-3/4     | 140.0   | 130.0    | 86.0     | 75.0    | 6320    |       |
| 144298  | 3-7/8     | 140.0   | 136.0    | 95.0     | 75.0    | 7400    |       |
| 1442A0  | 3-15/16   | 140.0   | 137.0    | 95.0     | 75.0    | 7500    |       |
| 1442A2  | 4         | 155.0   | 140.0    | 95.0     | 75.0    | 7500    |       |
| 1442A5  | 4-1/8     | 155.0   | 143.0    | 95.0     | 75.0    | 9800    |       |
| 1442A8  | 4-1/4     | 155.0   | 147.0    | 95.0     | 75.0    | 10000   |       |
| 1442B4  | 4-1/2     | 155.0   | 152.0    | 95.0     | 75.0    | 13000   |       |

# 1"DR. DEEP IMPACT SOCKET (METRIC)



| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g     | SHAPE |
|---------|---------|---------|----------|----------|---------|-------|-------|
| 149217  | 17      | 90.0    | 34.0     | 51.0     | 16.0    | 620   | A     |
| 149218  | 18      | 90.0    | 35.0     | 51.0     | 16.0    | 630   |       |
| 149219  | 19      | 90.0    | 36.0     | 51.0     | 16.0    | 700   |       |
| 149220  | 20      | 90.0    | 37.0     | 51.0     | 16.0    | 700   |       |
| 149221  | 21      | 90.0    | 38.0     | 51.0     | 16.0    | 710   |       |
| 149222  | 22      | 90.0    | 39.0     | 51.0     | 16.0    | 710   |       |
| 149223  | 23      | 90.0    | 40.0     | 51.0     | 16.0    | 710   |       |
| 149224  | 24      | 90.0    | 40.5     | 51.0     | 16.0    | 720   |       |
| 149225  | 25      | 90.0    | 41.0     | 51.0     | 19.0    | 720   |       |
| 149226  | 26      | 90.0    | 42.5     | 51.0     | 19.0    | 750   |       |
| 149227  | 27      | 90.0    | 44.0     | 51.0     | 19.0    | 800   |       |
| 149228  | 28      | 90.0    | 45.0     | 51.0     | 19.0    | 800   |       |
| 149229  | 29      | 90.0    | 46.0     | 51.0     | 19.0    | 800   | B     |
| 149230  | 30      | 90.0    | 48.0     | 51.0     | 19.0    | 800   |       |
| 149232  | 32      | 90.0    | 51.0     | 51.0     | 19.0    | 910   |       |
| 149233  | 33      | 90.0    | 52.0     | 52.0     | 30.0    | 910   |       |
| 149234  | 34      | 90.0    | 54.0     | 54.0     | 30.0    | 950   |       |
| 149235  | 35      | 90.0    | 54.0     | 54.0     | 30.0    | 950   |       |
| 149236  | 36      | 90.0    | 56.0     | 54.0     | 30.0    | 950   |       |
| 149237  | 37      | 90.0    | 57.0     | 54.0     | 30.0    | 960   |       |
| 149238  | 38      | 92.0    | 58.0     | 54.0     | 30.0    | 990   |       |
| 149239  | 39      | 92.0    | 58.7     | 54.0     | 40.0    | 1060  |       |
| 149240  | 40      | 92.0    | 60.0     | 54.0     | 40.0    | 1200  | C     |
| 149241  | 41      | 92.0    | 61.5     | 54.0     | 40.0    | 1200  |       |
| 149242  | 42      | 92.0    | 63.0     | 54.0     | 40.0    | 1200  |       |
| 149243  | 43      | 92.0    | 65.0     | 54.0     | 40.0    | 1200  |       |
| 149244  | 44      | 92.0    | 65.0     | 54.0     | 40.0    | 1380  |       |
| 149245  | 45      | 92.0    | 66.0     | 54.0     | 40.0    | 1390  |       |
| 149246  | 46      | 92.0    | 68.0     | 54.0     | 40.0    | 1400  |       |
| 149247  | 47      | 92.0    | 69.0     | 54.0     | 40.0    | 1410  |       |
| 149248  | 48      | 92.0    | 70.0     | 54.0     | 40.0    | 1450  |       |
| 149250  | 50      | 95.0    | 73.0     | 54.0     | 40.0    | 1570  |       |
| 149255  | 55      | 100.0   | 79.0     | 54.0     | 52.0    | 1950  |       |
| 149258  | 58      | 100.0   | 85.0     | 54.0     | 52.0    | 2100  |       |
| 149260  | 60      | 105.0   | 87.0     | 54.0     | 52.0    | 2350  |       |
| 149263  | 63      | 110.0   | 91.0     | 54.0     | 60.0    | 2550  |       |
| 149265  | 65      | 120.0   | 93.0     | 54.0     | 60.0    | 2950  |       |
| 149270  | 70      | 124.0   | 98.0     | 54.0     | 60.0    | 3300  |       |
| 149275  | 75      | 135.0   | 104.0    | 86.0     | 60.0    | 4550  |       |
| 149276  | 76      | 135.0   | 106.0    | 86.0     | 60.0    | 4550  |       |
| 149278  | 78      | 135.0   | 107.0    | 86.0     | 60.0    | 4750  |       |
| 149280  | 80      | 135.0   | 109.0    | 86.0     | 75.0    | 4850  |       |
| 149285  | 85      | 140.0   | 115.0    | 86.0     | 75.0    | 5250  |       |
| 149290  | 90      | 140.0   | 125.0    | 86.0     | 75.0    | 5750  |       |
| 149295  | 95      | 140.0   | 130.0    | 86.0     | 75.0    | 6300  |       |
| 1492A0  | 100     | 140.0   | 137.0    | 95.0     | 75.0    | 7500  |       |
| 1492A5  | 105     | 155.0   | 143.0    | 95.0     | 75.0    | 9200  |       |
| 1492B0  | 110     | 155.0   | 147.0    | 95.0     | 75.0    | 10800 |       |
| 1492B5  | 115     | 155.0   | 152.0    | 95.0     | 75.0    | 13500 |       |
| 1492A9  | 49      | 92.0    | 72.0     | 58.0     | 40.0    | 1430  |       |
| 149251  | 51      | 95.0    | 74.0     | 58.0     | 40.0    | 1570  |       |
| 149252  | 52      | 95.0    | 75.0     | 58.0     | 52.0    | 1600  |       |
| 149254  | 54      | 100.0   | 78.0     | 58.0     | 52.0    | 1750  |       |
| 149256  | 56      | 100.0   | 80.0     | 62.0     | 52.0    | 2150  |       |
| 149257  | 57      | 100.0   | 84.0     | 62.0     | 52.0    | 2200  |       |
| 149259  | 59      | 105.0   | 86.0     | 62.0     | 52.0    | 2350  |       |
| 149262  | 62      | 110.0   | 89.0     | 62.0     | 60.0    | 2450  |       |
| 149273  | 73      | 128.0   | 102.0    | 62.0     | 60.0    | 4150  |       |



# 1-1/2"DR. IMPACT SOCKET (S.A.E)



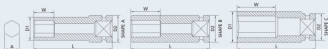
| Item No | A       | L     | D1    | D2    | W    | g     | SHAPE |
|---------|---------|-------|-------|-------|------|-------|-------|
|         | inch    | mm    | mm    | mm    | mm   |       |       |
| 10A230  | 1-3/16  | 78.0  | 56.0  | 86.0  | 16.5 | 2200  | A     |
| 10A232  | 1-1/4   | 78.0  | 58.0  | 86.0  | 16.5 | 2200  |       |
| 10A233  | 1-5/16  | 78.0  | 60.0  | 86.0  | 19.0 | 2200  |       |
| 10A235  | 1-3/8   | 78.0  | 62.0  | 86.0  | 19.5 | 2200  |       |
| 10A237  | 1-7/16  | 78.0  | 64.0  | 86.0  | 22.5 | 2200  |       |
| 10A238  | 1-1/2   | 78.0  | 66.0  | 86.0  | 24.0 | 2200  |       |
| 10A240  | 1-9/16  | 78.0  | 68.0  | 86.0  | 25.5 | 2200  |       |
| 10A241  | 1-5/8   | 80.0  | 70.0  | 86.0  | 27.0 | 2200  |       |
| 10A243  | 1-11/16 | 80.0  | 71.0  | 86.0  | 27.0 | 2200  |       |
| 10A244  | 1-3/4   | 84.0  | 75.0  | 86.0  | 28.5 | 2300  |       |
| 10A246  | 1-13/16 | 84.0  | 76.0  | 86.0  | 29.0 | 2300  | B     |
| 10A248  | 1-7/8   | 84.0  | 78.0  | 86.0  | 30.0 | 2300  |       |
| 10A249  | 1-15/16 | 87.0  | 80.0  | 86.0  | 31.0 | 2400  |       |
| 10A251  | 2       | 87.0  | 82.0  | 86.0  | 32.0 | 2400  |       |
| 10A252  | 2-1/16  | 87.0  | 83.0  | 86.0  | 33.0 | 2400  |       |
| 10A254  | 2-1/8   | 90.0  | 86.0  | 86.0  | 34.5 | 2500  |       |
| 10A256  | 2-3/16  | 90.0  | 86.0  | 86.0  | 35.0 | 2500  |       |
| 10A257  | 2-1/4   | 92.0  | 86.0  | 86.0  | 36.0 | 2800  |       |
| 10A259  | 2-5/16  | 92.0  | 92.0  | 86.0  | 37.0 | 3100  |       |
| 10A260  | 2-3/8   | 92.0  | 93.0  | 86.0  | 38.5 | 3100  | C     |
| 10A262  | 2-7/16  | 95.0  | 96.0  | 86.0  | 39.5 | 3400  |       |
| 10A264  | 2-1/2   | 95.0  | 97.0  | 86.0  | 40.5 | 3400  |       |
| 10A265  | 2-9/16  | 95.0  | 97.0  | 86.0  | 41.0 | 3400  |       |
| 10A267  | 2-5/8   | 100.0 | 103.0 | 86.0  | 42.5 | 3600  |       |
| 10A268  | 2-11/16 | 100.0 | 104.0 | 86.0  | 43.0 | 3800  |       |
| 10A270  | 2-3/4   | 100.0 | 105.0 | 86.0  | 44.5 | 3800  |       |
| 10A271  | 2-13/16 | 103.0 | 108.0 | 86.0  | 45.3 | 4000  |       |
| 10A273  | 2-7/8   | 103.0 | 108.0 | 86.0  | 46.5 | 4100  |       |
| 10A275  | 2-15/16 | 103.0 | 110.0 | 86.0  | 47.0 | 4200  |       |
| 10A276  | 3       | 103.0 | 110.0 | 86.0  | 48.0 | 4300  | C     |
| 10A278  | 3-1/16  | 110.0 | 115.0 | 86.0  | 49.5 | 4400  |       |
| 10A279  | 3-1/8   | 110.0 | 116.0 | 86.0  | 51.0 | 4500  |       |
| 10A281  | 3-3/16  | 110.0 | 125.0 | 86.0  | 51.0 | 4800  |       |
| 10A283  | 3-1/4   | 110.0 | 125.0 | 86.0  | 52.0 | 5500  |       |
| 10A284  | 3-5/16  | 118.0 | 125.0 | 86.0  | 53.5 | 5500  |       |
| 10A286  | 3-3/8   | 118.0 | 125.0 | 86.0  | 54.0 | 5500  |       |
| 10A287  | 3-7/16  | 118.0 | 128.0 | 86.0  | 55.0 | 5700  |       |
| 10A289  | 3-1/2   | 118.0 | 130.0 | 86.0  | 57.5 | 5800  |       |
| 10A290  | 3-9/16  | 118.0 | 132.0 | 86.0  | 57.5 | 6000  |       |
| 10A292  | 3-5/8   | 118.0 | 134.0 | 86.0  | 58.0 | 6200  | C     |
| 10A294  | 3-11/16 | 118.0 | 136.0 | 86.0  | 59.5 | 6400  |       |
| 10A295  | 3-3/4   | 118.0 | 137.0 | 95.0  | 60.5 | 6600  |       |
| 10A297  | 3-13/16 | 125.0 | 140.0 | 95.0  | 61.5 | 8600  |       |
| 10A298  | 3-7/8   | 125.0 | 142.0 | 95.0  | 63.5 | 8900  |       |
| 10A2A0  | 3-15/16 | 125.0 | 144.0 | 95.0  | 63.5 | 9300  |       |
| 10A2A2  | 4       | 125.0 | 145.0 | 95.0  | 63.5 | 9450  |       |
| 10A2A3  | 4-1/16  | 125.0 | 146.0 | 95.0  | 66.0 | 9450  |       |
| 10A2A5  | 4-1/8   | 125.0 | 150.0 | 95.0  | 66.0 | 9500  |       |
| 10A2A6  | 4-3/16  | 125.0 | 151.0 | 95.0  | 67.0 | 9500  |       |
| 10A2A8  | 4-1/4   | 125.0 | 153.0 | 95.0  | 70.0 | 10300 | C     |
| 10A2B0  | 4-5/16  | 125.0 | 156.0 | 95.0  | 70.0 | 10700 |       |
| 10A2B2  | 4-3/8   | 125.0 | 160.0 | 95.0  | 70.0 | 11500 |       |
| 10A2B3  | 4-7/16  | 125.0 | 162.0 | 95.0  | 71.5 | 11800 |       |
| 10A2B4  | 4-1/2   | 135.0 | 163.0 | 95.0  | 72.0 | 12000 |       |
| 10A2B7  | 4-5/8   | 135.0 | 165.0 | 95.0  | 76.5 | 12600 |       |
| 10A2C1  | 4-3/4   | 135.0 | 168.0 | 95.0  | 76.5 | 13500 |       |
| 10A2C7  | 5       | 140.0 | 179.0 | 127.0 | 77.0 |       |       |

# 1-1/2"DR. IMPACT SOCKET (METRIC)



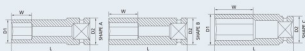
| Item No | A   | L     | D1    | D2    | W    | g     | SHAPE |
|---------|-----|-------|-------|-------|------|-------|-------|
|         | mm  | mm    | mm    | mm    | mm   |       |       |
| 10B230  | 30  | 78.0  | 56.0  | 86.0  | 17.0 | 2200  | A     |
| 10B232  | 32  | 78.0  | 58.0  | 86.0  | 19.0 | 2200  |       |
| 10B234  | 34  | 78.0  | 61.0  | 86.0  | 20.0 | 2200  |       |
| 10B236  | 36  | 78.0  | 64.0  | 86.0  | 22.0 | 2200  |       |
| 10B238  | 38  | 78.0  | 66.0  | 86.0  | 23.0 | 2200  |       |
| 10B241  | 41  | 80.0  | 70.0  | 86.0  | 25.0 | 2200  |       |
| 10B246  | 46  | 84.0  | 76.0  | 86.0  | 29.0 | 2200  |       |
| 10B250  | 50  | 87.0  | 81.0  | 86.0  | 30.0 | 2400  |       |
| 10B255  | 55  | 90.0  | 87.0  | 86.0  | 34.0 | 2500  |       |
| 10B260  | 60  | 92.0  | 93.0  | 86.0  | 35.0 | 3100  | C     |
| 10B265  | 65  | 95.0  | 97.0  | 86.0  | 35.0 | 3400  |       |
| 10B268  | 68  | 100.0 | 104.0 | 86.0  | 35.0 | 3800  |       |
| 10B270  | 70  | 100.0 | 105.0 | 86.0  | 35.0 | 3800  |       |
| 10B273  | 73  | 103.0 | 108.0 | 86.0  | 35.0 | 4100  |       |
| 10B275  | 75  | 103.0 | 110.0 | 86.0  | 35.0 | 4200  |       |
| 10B278  | 78  | 110.0 | 115.0 | 86.0  | 38.0 | 4400  |       |
| 10B280  | 80  | 110.0 | 116.0 | 86.0  | 38.0 | 4650  |       |
| 10B285  | 85  | 118.0 | 125.0 | 86.0  | 41.0 | 5500  |       |
| 10B290  | 90  | 118.0 | 130.0 | 86.0  | 44.0 | 5800  |       |
| 10B295  | 95  | 118.0 | 137.0 | 95.0  | 46.0 | 6600  |       |
| 10B2A0  | 100 | 125.0 | 144.0 | 95.0  | 48.0 | 9300  |       |
| 10B2A5  | 105 | 125.0 | 150.0 | 95.0  | 51.0 | 9500  |       |
| 10B2B0  | 110 | 125.0 | 156.0 | 95.0  | 54.0 | 10500 |       |
| 10B2B5  | 115 | 135.0 | 160.0 | 95.0  | 56.0 | 12100 |       |
| 10B2C0  | 120 | 135.0 | 168.0 | 95.0  | 58.0 | 13200 |       |
| 10B2C5  | 125 | 135.0 | 175.0 | 95.0  | 61.0 | 14000 |       |
| 10B2D0  | 130 | 145.0 | 180.0 | 127.0 | 64.0 | 18000 |       |
| 10B2D5  | 135 | 150.0 | 186.0 | 127.0 | 68.0 | 19000 |       |
| 10B2E0  | 140 | 150.0 | 192.0 | 127.0 | 70.0 | 20000 |       |
| 10B2E5  | 145 | 150.0 | 198.0 | 127.0 | 74.0 | 21000 |       |
| 10B2F0  | 150 | 150.0 | 203.0 | 127.0 | 78.0 | 22000 |       |
| 10B2F5  | 155 | 150.0 | 209.0 | 127.0 | 78.0 | 24500 |       |
| 10B2G0  | 160 | 175.0 | 222.0 | 127.0 | 82.0 | 29800 |       |
| 10B2G5  | 165 | 175.0 | 228.0 | 127.0 | 90.0 | 32000 |       |
| 10B2H5  | 175 | 175.0 | 235.0 | 127.0 | 94.0 | 34500 |       |

# 1-1/2"DR. DEEP IMPACT SOCKET (S.A.E)



| Item No | A       | L     | D1    | D2   | W    | g     | SHAPE |
|---------|---------|-------|-------|------|------|-------|-------|
|         | inch    | mm    | mm    | mm   | mm   |       |       |
| 14A241  | 1-5/8   | 115.0 | 70.0  | 86.0 | 27.0 | 3200  | A     |
| 14A243  | 1-11/16 | 115.0 | 73.0  | 86.0 | 27.0 | 3200  |       |
| 14A244  | 1-3/4   | 115.0 | 75.0  | 86.0 | 28.5 | 3200  |       |
| 14A246  | 1-13/16 | 115.0 | 76.0  | 86.0 | 29.0 | 3200  |       |
| 14A248  | 1-7/8   | 115.0 | 78.0  | 86.0 | 30.0 | 3200  |       |
| 14A249  | 1-15/16 | 115.0 | 80.0  | 86.0 | 31.0 | 3200  |       |
| 14A251  | 2       | 135.0 | 82.0  | 86.0 | 32.0 | 3800  | B     |
| 14A252  | 2-1/16  | 140.0 | 83.0  | 86.0 | 33.0 | 3900  |       |
| 14A254  | 2-1/8   | 140.0 | 86.0  | 86.0 | 35.0 | 3900  |       |
| 14A256  | 2-3/16  | 140.0 | 86.0  | 86.0 | 35.0 | 3900  |       |
| 14A257  | 2-1/4   | 150.0 | 86.0  | 86.0 | 36.0 | 4700  |       |
| 14A259  | 2-5/16  | 150.0 | 92.0  | 86.0 | 37.0 | 4700  |       |
| 14A260  | 2-3/8   | 150.0 | 93.0  | 86.0 | 38.5 | 5200  | C     |
| 14A262  | 2-7/16  | 150.0 | 96.0  | 86.0 | 39.5 | 5200  |       |
| 14A264  | 2-1/2   | 150.0 | 97.0  | 86.0 | 40.5 | 5200  |       |
| 14A265  | 2-9/16  | 150.0 | 97.0  | 86.0 | 41.0 | 5700  |       |
| 14A267  | 2-5/8   | 150.0 | 103.0 | 86.0 | 42.5 | 5700  |       |
| 14A268  | 2-11/16 | 150.0 | 104.0 | 86.0 | 43.0 | 6300  |       |
| 14A270  | 2-3/4   | 160.0 | 105.0 | 86.0 | 45.0 | 6700  |       |
| 14A271  | 2-13/16 | 160.0 | 108.0 | 86.0 | 45.5 | 6700  |       |
| 14A273  | 2-7/8   | 160.0 | 108.0 | 86.0 | 46.5 | 7300  |       |
| 14A275  | 2-15/16 | 170.0 | 110.0 | 86.0 | 47.0 | 7800  |       |
| 14A276  | 3       | 170.0 | 110.0 | 86.0 | 48.0 | 8500  |       |
| 14A278  | 3-1/16  | 170.0 | 115.0 | 86.0 | 49.5 | 8500  |       |
| 14A279  | 3-1/8   | 170.0 | 116.0 | 86.0 | 51.0 | 8500  |       |
| 14A281  | 3-3/16  | 170.0 | 125.0 | 86.0 | 51.0 | 9900  |       |
| 14A283  | 3-1/4   | 170.0 | 125.0 | 86.0 | 52.0 | 9900  |       |
| 14A284  | 3-5/16  | 170.0 | 125.0 | 86.0 | 53.5 | 9900  |       |
| 14A286  | 3-3/8   | 170.0 | 125.0 | 86.0 | 54.0 | 9900  |       |
| 14A287  | 3-7/16  | 170.0 | 128.0 | 86.0 | 55.0 | 10300 |       |
| 14A289  | 3-1/2   | 170.0 | 130.0 | 86.0 | 57.5 | 10700 |       |
| 14A290  | 3-9/16  | 170.0 | 132.0 | 86.0 | 57.5 | 10700 |       |
| 14A292  | 3-5/8   | 170.0 | 134.0 | 86.0 | 58.0 | 11000 |       |
| 14A294  | 3-11/16 | 170.0 | 136.0 | 86.0 | 59.5 | 11200 |       |
| 14A295  | 3-3/4   | 180.0 | 137.0 | 95.0 | 60.5 | 12200 |       |
| 14A297  | 3-13/16 | 180.0 | 140.0 | 95.0 | 61.5 | 12500 |       |
| 14A298  | 3-7/8   | 180.0 | 142.0 | 95.0 | 63.5 | 13100 |       |
| 14A2A0  | 3-15/16 | 190.0 | 144.0 | 95.0 | 63.5 | 14100 |       |
| 14A2A2  | 4       | 190.0 | 145.0 | 95.0 | 63.5 | 14900 |       |
| 14A2A3  | 4-1/16  | 190.0 | 146.0 | 95.0 | 66.0 | 15200 |       |
| 14A2A5  | 4-1/8   | 190.0 | 150.0 | 95.0 | 66.0 | 15800 |       |
| 14A2A6  | 4-3/16  | 190.0 | 151.0 | 95.0 | 67.0 | 16500 |       |
| 14A2A8  | 4-1/4   | 190.0 | 153.0 | 95.0 | 70.0 | 16800 |       |
| 14A2B0  | 4-5/16  | 200.0 | 156.0 | 95.0 | 70.0 | 17000 |       |
| 14A2B2  | 4-3/8   | 200.0 | 160.0 | 95.0 | 70.0 | 18200 |       |
| 14A2B3  | 4-7/16  | 200.0 | 162.0 | 95.0 | 71.5 | 19100 |       |
| 14A2B4  | 4-1/2   | 210.0 | 163.0 | 95.0 | 72.0 | 20100 |       |
| 14A2B7  | 4-5/8   | 210.0 | 165.0 | 95.0 | 76.5 | 20900 |       |
| 14A2C1  | 4-3/4   | 210.0 | 168.0 | 95.0 | 76.5 | 21500 |       |

# 1-1/2" DR. DEEP IMPACT SOCKET (METRIC)



| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g     | SHAPE |
|---------|---------|---------|----------|----------|---------|-------|-------|
| 14B241  | 41      | 115.0   | 70.0     | 86.0     | 25.0    | 3200  | A     |
| 14B246  | 46      | 115.0   | 76.0     | 86.0     | 29.0    | 3200  |       |
| 14B250  | 50      | 135.0   | 81.0     | 86.0     | 30.0    | 3200  |       |
| 14B255  | 55      | 140.0   | 87.0     | 86.0     | 34.0    | 3900  |       |
| 14B260  | 60      | 150.0   | 93.0     | 86.0     | 35.0    | 5150  |       |
| 14B265  | 65      | 150.0   | 97.0     | 86.0     | 35.0    | 5700  | C     |
| 14B270  | 70      | 160.0   | 105.0    | 86.0     | 35.0    | 6700  |       |
| 14B275  | 75      | 170.0   | 110.0    | 86.0     | 35.0    | 7800  |       |
| 14B280  | 80      | 170.0   | 116.0    | 86.0     | 38.0    | 8600  |       |
| 14B285  | 85      | 170.0   | 125.0    | 86.0     | 41.0    | 9900  |       |
| 14B290  | 90      | 170.0   | 130.0    | 86.0     | 44.0    | 10700 |       |
| 14B295  | 95      | 180.0   | 137.0    | 95.0     | 46.0    | 12200 |       |
| 14B2A0  | 100     | 190.0   | 144.0    | 95.0     | 48.0    | 14100 |       |
| 14B2A5  | 105     | 190.0   | 150.0    | 95.0     | 51.0    | 15800 |       |
| 14B2B0  | 110     | 200.0   | 156.0    | 95.0     | 54.0    | 17000 |       |
| 14B2B5  | 115     | 200.0   | 160.0    | 95.0     | 56.0    | 20400 | A     |
| 14B2C0  | 120     | 210.0   | 168.0    | 95.0     | 58.0    | 21500 |       |
| 14B242  | 42      | 115.0   | 73.0     | 86.0     | 27.0    | 3200  |       |
| 14B249  | 49      | 115.0   | 80.0     | 86.0     | 30.0    | 3200  | B     |
| 14B254  | 54      | 140.0   | 86.0     | 86.0     | 34.0    | 3900  |       |
| 14B257  | 57      | 150.0   | 86.0     | 86.0     | 35.0    | 4700  | C     |
| 14B262  | 62      | 150.0   | 96.0     | 86.0     | 35.0    | 5200  |       |
| 14B273  | 73      | 160.0   | 108.0    | 86.0     | 35.0    | 7300  |       |
| 14B276  | 76      | 170.0   | 110.0    | 86.0     | 35.0    | 8500  |       |
| 14B278  | 78      | 170.0   | 115.0    | 86.0     | 35.0    | 8500  |       |

## 2-1/2"DR. IMPACT SOCKET (S.A.E)



| Item No | A<br>inch | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g     | SHAPE |
|---------|-----------|---------|----------|----------|---------|-------|-------|
| 10C276  | 3         | 140.0   | 120.0    | 127.0    | 48.0    | 8600  | A     |
| 10C279  | 3-1/8     | 140.0   | 124.0    | 127.0    | 51.0    | 8600  |       |
| 10C283  | 3-1/4     | 140.0   | 127.0    | 127.0    | 52.0    | 8600  | B     |
| 10C286  | 3-3/8     | 140.0   | 131.0    | 127.0    | 54.0    | 8600  |       |
| 10C289  | 3-1/2     | 140.0   | 135.0    | 127.0    | 57.5    | 8700  | C     |
| 10C292  | 3-5/8     | 145.0   | 139.0    | 127.0    | 58.0    | 9300  |       |
| 10C295  | 3-3/4     | 145.0   | 143.0    | 127.0    | 60.5    | 9600  | C     |
| 10C298  | 3-7/8     | 150.0   | 147.0    | 127.0    | 63.5    | 10000 |       |
| 10C2A2  | 4         | 150.0   | 151.0    | 127.0    | 63.5    | 10500 | C     |
| 10C2A5  | 4-1/8     | 155.0   | 155.0    | 127.0    | 66.0    | 11400 |       |
| 10C2A8  | 4-1/4     | 160.0   | 159.0    | 127.0    | 70.0    | 12100 | C     |
| 10C2B2  | 4-3/8     | 165.0   | 163.0    | 127.0    | 70.0    | 12700 |       |
| 10C2B4  | 4-1/2     | 165.0   | 167.0    | 127.0    | 72.0    | 14000 | C     |
| 10C2B7  | 4-5/8     | 170.0   | 172.0    | 127.0    | 76.5    | 14900 |       |
| 10C2C1  | 4-3/4     | 170.0   | 176.0    | 127.0    | 76.5    | 15300 | C     |
| 10C2C4  | 4-7/8     | 175.0   | 181.0    | 127.0    | 77.0    | 16400 |       |
| 10C2C7  | 5         | 175.0   | 185.0    | 127.0    | 77.0    | 17000 | C     |
| 10C2D0  | 5-1/8     | 175.0   | 188.0    | 127.0    | 77.0    | 17900 |       |
| 10C2D3  | 5-1/4     | 175.0   | 193.0    | 127.0    | 77.0    | 18000 | C     |
| 10C2D7  | 5-3/8     | 180.0   | 197.0    | 127.0    | 77.5    | 18900 |       |
| 10C2E0  | 5-1/2     | 180.0   | 202.0    | 127.0    | 77.5    | 19700 | C     |
| 10C2E3  | 5-5/8     | 185.0   | 206.0    | 127.0    | 80.0    | 20200 |       |
| 10C2E6  | 5-3/4     | 185.0   | 210.0    | 127.0    | 81.0    | 21300 | C     |
| 10C2E9  | 5-7/8     | 185.0   | 215.0    | 127.0    | 84.0    | 22000 |       |
| 10C2F2  | 6         | 185.0   | 218.0    | 127.0    | 84.0    | 23000 | C     |
| 10C2F6  | 6-1/8     | 190.0   | 223.0    | 127.0    | 88.0    | 24600 |       |
| 10C2F9  | 6-1/4     | 190.0   | 227.0    | 127.0    | 88.0    | 25000 | C     |
| 10C2G2  | 6-3/8     | 195.0   | 231.0    | 127.0    | 92.0    | 26300 |       |
| 10C2G5  | 6-1/2     | 195.0   | 235.0    | 127.0    | 92.0    | 26900 | C     |
| 10C2G8  | 6-5/8     | 195.0   | 240.0    | 127.0    | 97.0    | 27000 |       |
| 10C2H1  | 6-3/4     | 195.0   | 244.0    | 127.0    | 97.0    | 27300 | C     |
| 10C2H5  | 6-7/8     | 200.0   | 248.0    | 127.0    | 102.0   | 28700 |       |
| 10C2H8  | 7         | 200.0   | 252.0    | 127.0    | 102.0   | 29100 | C     |
| 10C2K1  | 7-1/2     | 210.0   | 265.0    | 152.0    | 107.0   | 35600 |       |
| 10C2K4  | 7-5/8     | 210.0   | 268.0    | 152.0    | 107.0   | 36000 | C     |
| 10C2L0  | 7-7/8     | 220.0   | 275.0    | 152.0    | 112.0   | 38900 |       |
| 10C2L3  | 8         | 220.0   | 278.0    | 152.0    | 112.0   | 39000 | C     |
| 10C2N2  | 8-3/4     | 225.0   | 300.0    | 152.0    | 120.0   | 59000 |       |
| 10C2P2  | 9-1/8     | 225.0   | 312.0    | 152.0    | 120.0   | 69000 | C     |
| 10C2Q1  | 9-1/2     | 225.0   | 327.0    | 152.0    | 125.0   | 80000 |       |
| 10C2R1  | 9-7/8     | 225.0   | 333.0    | 152.0    | 125.0   | 89000 | C     |
| 10C2S0  | 10-1/4    | 225.0   | 342.0    | 152.0    | 130.0   | 90000 |       |

## 2-1/2"DR. IMPACT SOCKET (METRIC)



| Item No | A   | L     | D1    | D2    | W     | g     | SHAPE |
|---------|-----|-------|-------|-------|-------|-------|-------|
|         | mm  | mm    | mm    | mm    | mm    |       |       |
| 10D275  | 75  | 140.0 | 118.0 | 127.0 | 35.0  | 8600  | A     |
| 10D280  | 80  | 140.0 | 124.0 | 127.0 | 38.0  | 8600  |       |
| 10D285  | 85  | 140.0 | 130.0 | 127.0 | 41.0  | 8600  |       |
| 10D290  | 90  | 145.0 | 136.0 | 127.0 | 44.0  | 8900  |       |
| 10D295  | 95  | 145.0 | 143.0 | 127.0 | 46.0  | 9600  |       |
| 10D2A0  | 100 | 150.0 | 149.0 | 127.0 | 48.0  | 10400 |       |
| 10D2A5  | 105 | 155.0 | 155.0 | 127.0 | 51.0  | 11500 |       |
| 10D280  | 110 | 160.0 | 161.0 | 127.0 | 54.0  | 12300 |       |
| 10D285  | 115 | 165.0 | 167.0 | 127.0 | 56.0  | 14100 |       |
| 10D2C0  | 120 | 170.0 | 176.0 | 127.0 | 58.0  | 15300 |       |
| 10D2C5  | 125 | 175.0 | 181.0 | 127.0 | 61.0  | 17000 | C     |
| 10D2D0  | 130 | 175.0 | 188.0 | 127.0 | 64.0  | 18000 |       |
| 10D2D5  | 135 | 180.0 | 195.0 | 127.0 | 68.0  | 18600 |       |
| 10D2E0  | 140 | 180.0 | 202.0 | 127.0 | 70.0  | 19700 |       |
| 10D2E5  | 145 | 185.0 | 208.0 | 127.0 | 74.0  | 20700 |       |
| 10D2F0  | 150 | 185.0 | 215.0 | 127.0 | 78.0  | 22300 |       |
| 10D2F5  | 155 | 190.0 | 223.0 | 127.0 | 80.0  | 23600 |       |
| 10D2G0  | 160 | 190.0 | 227.0 | 127.0 | 86.0  | 24700 |       |
| 10D2G5  | 165 | 195.0 | 235.0 | 127.0 | 90.0  | 26900 |       |
| 10D2H0  | 170 | 195.0 | 241.0 | 127.0 | 95.0  | 27000 |       |
| 10D2H5  | 175 | 200.0 | 248.0 | 127.0 | 100.0 | 28900 |       |
| 10D2J0  | 180 | 200.0 | 254.0 | 127.0 | 100.0 | 29500 |       |
| 10D2J5  | 185 | 210.0 | 258.0 | 152.0 | 105.0 | 34800 |       |
| 10D2K0  | 190 | 210.0 | 265.0 | 152.0 | 105.0 | 36100 |       |
| 10D2L0  | 200 | 220.0 | 275.0 | 152.0 | 110.0 | 38900 |       |
| 10D2M0  | 210 | 225.0 | 288.0 | 152.0 | 120.0 | 48900 |       |
| 10D2M5  | 215 | 225.0 | 293.0 | 152.0 | 120.0 | 48900 |       |
| 10D2N0  | 220 | 225.0 | 298.0 | 152.0 | 120.0 | 59000 |       |
| 10D2P0  | 230 | 225.0 | 304.0 | 152.0 | 120.0 | 59000 |       |
| 10D2P5  | 235 | 225.0 | 316.0 | 152.0 | 120.0 | 69000 |       |
| 10D2Q0  | 240 | 225.0 | 327.0 | 152.0 | 120.0 | 79000 |       |
| 10D2R0  | 250 | 225.0 | 333.0 | 152.0 | 120.0 | 80000 |       |
| 10D2R5  | 255 | 225.0 | 338.0 | 152.0 | 120.0 | 89900 |       |
| 10D2S0  | 260 | 225.0 | 342.0 | 152.0 | 120.0 | 90000 |       |

## IMPACT SOCKET SET

000915

**Des. 9PCS 1/4"Dr. Impact Socket Set**

**Contents:** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"

1/4"



000916

**Des. 9PCS 1/4"Dr. Deep Impact Socket Set**

**Contents:** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"

1/4"



001216

**Des. 12PCS 1/4"Dr. Impact Socket Set**

**Contents:** 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"



001217

**Des. 12PCS 1/4"Dr. Deep Impact Socket Set**

**Contents:** 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"



002303

**Des. 23PCS 1/4"Dr. Impact Socket Set**

**Contents:** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"  
5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm  
1/4"Dr. Impact Universal Joint + Extension Bar 2"

1/4"



# IMPACT SOCKET SET

004803

Des. 48PCS 1/4"Dr. Impact Socket

Contents: 1/4"Dr. Impact Socket

3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8",  
7/16", 1/2", 9/16"

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"Dr. Deep Impact Socket

3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8",  
7/16", 1/2", 9/16"

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"



007102

Des. 71PCS 1/4"Dr. Impact Socket

Contents: 1/4"Dr. Impact Socket

3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8",  
7/16", 1/2", 9/16"

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"Dr. Deep Impact Socket

3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8",  
7/16", 1/2", 9/16"

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"Dr. Impact Universal Socket

1/4", 5/16", 3/8", 7/16", 1/2", 9/16"

5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"Dr. Impact Universal Joint+Extension Bar 2", 4", 6"

1/4"Dr. Impact Adapter 1/4"x3/8M

1/4"



001209

Des. 12PCS 1/2"Dr. Impact Socket

Contents: 10, 11, 13, 14, 17, 19, 21, 22, 23, 24 mm

1/2"Dr. Impact Universal Joint

1/2"Dr. Impact Extension Bar 5"

1/2"



002103

Des. 21PCS 1/2"Dr. Impact Socket

Contents: 1/2"Dr. Impact Socket

13, 14, 16, 17, 18, 19, 21, 22, 24, 27 mm

1/2"Dr. Deep Impact Socket

14, 15, 17, 18, 19, 21, 22, 24, 27 mm

1/2"Dr. Impact Universal Joint

1/2"Dr. Impact Extension Bar 5"

1/2"





## IMPACT SOCKET SET

**001301**

**Des. 13PCS 1/2"Dr. Impact Socket Set**

**Contents:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm

1/2"



**001305**

**Des. 13PCS 1/2"Dr. Deep Impact Socket Set**

**Contents:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm

1/2"



**001402**

**Des. 14PCS 1/2"Dr. Impact Socket Set**

**Contents:** 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4"

1/2"



**001403**

**Des. 14PCS 1/2"Dr. Deep Impact Socket Set**

**Contents:** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"

1/2"



## IMPACT SOCKET SET

### 001020

**Des. 10PCS 1/2"Dr. Deep Impact Socket Set**

**Contents:** 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"



### 001021

**Des. 10PCS 1/2"Dr. Deep Impact Socket Set**

**Contents:** 10, 11, 12, 13, 14, 17, 19, 21, 22, 24 mm



### 001023

**Des. 10PCS 1/2"Dr. Impact Socket Set**

**Contents:** 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"



### 001022

**Des. 13PCS 1/2"Dr. Impact Socket Set**

**Contents:** 10, 11, 12, 13, 14, 17, 19, 21, 22, 24 mm



### 000803

**Des. 8PCS 3/4"Dr. Impact Socket Set**

**Contents:** 1", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2"



# IMPACT SOCKET SET

000807

Des. 8PCS 3/4"Dr. Deep Impact Socket Set

Contents: 21, 22, 24, 27, 30, 32, 36, 41 mm

3/4"



000808

Des. 8PCS 3/4"Dr. Deep Impact Socket Set

Contents: 1", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-3/8",  
1-7/16", 1-1/2"

3/4"



000806

Des. 8PCS 3/4"Dr. Impact Socket Set

Contents: 21, 22, 24, 27, 30, 32, 36, 41 mm

3/4"



001019

Des. 10PC 3/4"Dr. Regular Impact Socket Set (SAE)

Contents: 3/4"Dr. Regular Impact Socket  
15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16",  
1-3/8", 1-7/16", 1-1/2"

3/4"



000815

Des. 8PCS 3/4"Dr. Impact Socket Set

Contents: 26, 27, 29, 30, 32, 35, 36, 38 mm

3/4"



000816

Des. 8PCS 3/4"Dr. Deep Impact Socket Set

Contents: 26, 27, 29, 30, 32, 35, 36, 38 mm

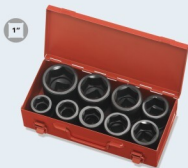
3/4"



## IMPACT SOCKET SET

**001603**
**Des. 16PCS 3/4"Dr. Impact Socket Set**
**Contents:** 19, 21, 22, 24, 27, 28, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50 mm


3/4"

**000905**
**Des. 9PCS 1"Dr. Impact Socket Set**
**Contents:** 27, 30, 32, 35, 36, 38, 41, 46, 50 mm


1"

**000901**
**Des. 9PCS 1"Dr. Impact Socket Set**
**Contents:** 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4", 1-7/8", 2"


1"

**000702**
**Des. 7PCS 1"Dr. Deep Impact Socket Set**
**Contents:** 24, 27, 30, 32, 33, 36, 38 mm


1"

## IMPACT SETS (STANDARD TYPE)

### 001017

**Des. 10PC 1/4"Dr. Regular Impact Socket Set (S.A.E.)**

**Contents: 1/4"Dr. Regular Impact Socket**

3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16",  
1/2", 9/16"



### 001406

**Des. 14PC 1/4"Dr. Deep Impact Socket Set (Metric)**

**Contents: 1/4"Dr. Deep Impact Socket**

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm



### 001013

**Des. 10PC 1/4"Dr. Deep Impact Socket Set (S.A.E.)**

**Contents: 1/4"Dr. Deep Impact Socket**

3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16",  
1/2", 9/16"



### 001904

**Des. 19PC 1/2"Dr. Regular Impact Socket Set (S.A.E.)**

**Contents: 1/2"Dr. Regular Impact Socket**

3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16",  
7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4",  
1-5/16", 1-3/8", 1-7/16", 1-1/2"



### 001108

**Des. 11PC 1/2"Dr. Deep Impact Socket Set (S.A.E.)**

**Contents: 1/2"Dr. Deep Impact Socket**

1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16",  
1", 1-1/16", 1-1/8"



### 001905

**Des. 19PC 1/2"Dr. Deep Impact Socket Set (S.A.E.)**

**Contents: 1/2"Dr. Deep Impact Socket**

3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16",  
7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4",  
1-5/16", 1-3/8", 1-7/16", 1-1/2"



### 001405

**Des. 14PC 1/4"Dr. Regular Impact Socket Set (Metric)**

**Contents: 1/4"Dr. Regular Impact Socket**

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm



# 1/4"DR. IMPACT UNIVERSAL SOCKET



| Item No | ●<br>inch | L<br>mm | D1<br>mm | D2<br>mm | g  |
|---------|-----------|---------|----------|----------|----|
| 300A06  | 1/4       | 43.0    | 10.3     | 16.0     | 37 |
| 300A08  | 5/16      | 43.0    | 12.5     | 16.0     | 40 |
| 300A10  | 3/8       | 43.0    | 14.3     | 16.0     | 45 |
| 300A11  | 7/16      | 43.0    | 16.5     | 16.0     | 54 |
| 300A13  | 1/2       | 48.0    | 18.8     | 18.0     | 69 |
| 300A14  | 9/16      | 48.0    | 19.8     | 18.0     | 70 |



| Item No | ●<br>mm | L<br>mm | D1<br>mm | D2<br>mm | g  |
|---------|---------|---------|----------|----------|----|
| 305A05  | 5       | 43.0    | 8.8      | 16.0     | 35 |
| 305A55  | 5.5     | 43.0    | 9.5      | 16.0     | 36 |
| 305A06  | 6       | 43.0    | 10.0     | 16.0     | 37 |
| 305A07  | 7       | 43.0    | 11.5     | 16.0     | 38 |
| 305A08  | 8       | 43.0    | 12.5     | 16.0     | 40 |
| 305A09  | 9       | 43.0    | 14.3     | 16.0     | 44 |
| 305A10  | 10      | 43.0    | 15.0     | 16.0     | 45 |
| 305A11  | 11      | 43.0    | 16.5     | 16.0     | 54 |
| 305A12  | 12      | 48.0    | 16.8     | 18.0     | 63 |
| 305A13  | 13      | 48.0    | 18.8     | 18.0     | 69 |
| 305A14  | 14      | 48.0    | 19.8     | 18.0     | 70 |
| 305A15  | 15      | 48.0    | 20.8     | 18.0     | 72 |

## 3/8"DR. IMPACT UNIVERSAL SOCKET



| Item No | ●<br>inch | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|----------|-----|
| 301608  | 5/16      | 53.0    | 13.0     | 24.0     | 96  |
| 301610  | 3/8       | 53.0    | 15.0     | 24.0     | 100 |
| 301611  | 7/16      | 53.0    | 17.0     | 24.0     | 102 |
| 301613  | 1/2       | 53.0    | 18.8     | 24.0     | 105 |
| 301614  | 9/16      | 53.0    | 21.0     | 24.0     | 106 |
| 301616  | 5/8       | 53.0    | 23.0     | 24.0     | 109 |
| 301617  | 11/16     | 53.0    | 25.0     | 24.0     | 115 |
| 301619  | 3/4       | 53.0    | 27.0     | 24.0     | 121 |
| 301621  | 13/16     | 53.0    | 29.8     | 24.0     | 124 |
| 301622  | 7/8       | 53.0    | 29.8     | 24.0     | 125 |
| 301624  | 15/16     | 53.0    | 31.8     | 24.0     | 126 |
| 301626  | 1         | 53.0    | 33.8     | 24.0     | 127 |



| Item No | ●<br>mm | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|----------|-----|
| 306608  | 8       | 53.0    | 13.0     | 24.0     | 96  |
| 306609  | 9       | 53.0    | 15.0     | 24.0     | 98  |
| 306610  | 10      | 53.0    | 15.3     | 24.0     | 100 |
| 306611  | 11      | 53.0    | 17.0     | 24.0     | 102 |
| 306612  | 12      | 53.0    | 18.8     | 24.0     | 104 |
| 306613  | 13      | 53.0    | 18.8     | 24.0     | 105 |
| 306614  | 14      | 53.0    | 21.0     | 24.0     | 106 |
| 306615  | 15      | 53.0    | 21.8     | 24.0     | 108 |
| 306616  | 16      | 53.0    | 23.0     | 24.0     | 109 |
| 306617  | 17      | 53.0    | 25.0     | 24.0     | 115 |
| 306618  | 18      | 53.0    | 25.0     | 24.0     | 118 |
| 306619  | 19      | 53.0    | 27.0     | 24.0     | 121 |
| 306620  | 20      | 53.0    | 27.8     | 24.0     | 122 |
| 306621  | 21      | 53.0    | 29.8     | 24.0     | 124 |
| 306622  | 22      | 53.0    | 29.8     | 24.0     | 125 |

## 3/8"DR. DEEP IMPACT UNIVERSAL SOCKET



| Item No | ●<br>inch | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|----------|-----|
| 341608  | 5/16      | 80.0    | 13.0     | 24.0     | 116 |
| 341610  | 3/8       | 80.0    | 15.0     | 24.0     | 124 |
| 341611  | 7/16      | 80.0    | 17.0     | 24.0     | 133 |
| 341613  | 1/2       | 80.0    | 18.8     | 24.0     | 141 |
| 341614  | 9/16      | 80.0    | 21.0     | 24.0     | 151 |
| 341616  | 5/8       | 80.0    | 23.0     | 24.0     | 163 |
| 341617  | 11/16     | 80.0    | 25.0     | 24.0     | 180 |
| 341619  | 3/4       | 80.0    | 27.0     | 24.0     | 182 |
| 341621  | 13/16     | 80.0    | 29.8     | 24.0     | 215 |
| 341622  | 7/8       | 80.0    | 29.8     | 24.0     | 220 |
| 341624  | 15/16     | 80.0    | 31.8     | 24.0     | 222 |
| 341626  | 1         | 80.0    | 33.8     | 24.0     | 223 |



| Item No | ●<br>mm | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|----------|-----|
| 346608  | 8       | 80.0    | 13.0     | 24.0     | 116 |
| 346609  | 9       | 80.0    | 15.0     | 24.0     | 120 |
| 346610  | 10      | 80.0    | 15.3     | 24.0     | 124 |
| 346611  | 11      | 80.0    | 17.0     | 24.0     | 133 |
| 346612  | 12      | 80.0    | 19.0     | 24.0     | 140 |
| 346613  | 13      | 80.0    | 19.0     | 24.0     | 141 |
| 346614  | 14      | 80.0    | 21.0     | 24.0     | 151 |
| 346615  | 15      | 80.0    | 22.0     | 24.0     | 158 |
| 346616  | 16      | 80.0    | 23.0     | 24.0     | 163 |
| 346617  | 17      | 80.0    | 25.0     | 24.0     | 180 |
| 346618  | 18      | 80.0    | 25.0     | 24.0     | 181 |
| 346619  | 19      | 80.0    | 27.0     | 24.0     | 182 |
| 346620  | 20      | 80.0    | 27.8     | 24.0     | 210 |
| 346621  | 21      | 80.0    | 29.8     | 24.0     | 215 |
| 346622  | 22      | 80.0    | 29.8     | 24.0     | 220 |



## 1/2"DR. IMPACT UNIVERSAL SOCKET

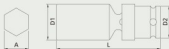


| Item No | ●<br>inch | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|----------|-----|
| 302610  | 3/8       | 65.0    | 15.0     | 28.0     | 156 |
| 302611  | 7/16      | 65.0    | 17.0     | 28.0     | 160 |
| 302613  | 1/2       | 65.0    | 19.0     | 28.0     | 166 |
| 302614  | 9/16      | 65.0    | 21.8     | 28.0     | 175 |
| 302616  | 5/8       | 65.0    | 23.0     | 28.0     | 180 |
| 302617  | 11/16     | 65.0    | 25.8     | 28.0     | 184 |
| 302619  | 3/4       | 65.0    | 27.8     | 28.0     | 186 |
| 302621  | 13/16     | 65.0    | 29.8     | 28.0     | 198 |
| 302622  | 7/8       | 65.0    | 31.8     | 28.0     | 200 |
| 302624  | 15/16     | 65.0    | 33.8     | 28.0     | 205 |
| 302626  | 1         | 65.0    | 35.8     | 28.0     | 208 |
| 302627  | 1-1/16    | 65.0    | 37.8     | 28.0     | 296 |
| 302629  | 1-1/8     | 65.0    | 39.8     | 28.0     | 297 |
| 302630  | 1-3/16    | 65.0    | 39.8     | 28.0     | 298 |
| 302632  | 1-1/4     | 65.0    | 41.8     | 28.0     | 300 |



| Item No | ●<br>mm | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|----------|-----|
| 307610  | 10      | 65.0    | 15.0     | 28.0     | 156 |
| 307611  | 11      | 65.0    | 17.0     | 28.0     | 160 |
| 307612  | 12      | 65.0    | 19.0     | 28.0     | 164 |
| 307613  | 13      | 65.0    | 20.0     | 28.0     | 166 |
| 307614  | 14      | 65.0    | 21.8     | 28.0     | 175 |
| 307615  | 15      | 65.0    | 23.0     | 28.0     | 176 |
| 307616  | 16      | 65.0    | 23.0     | 28.0     | 180 |
| 307617  | 17      | 65.0    | 25.7     | 28.0     | 184 |
| 307618  | 18      | 65.0    | 25.8     | 28.0     | 185 |
| 307619  | 19      | 65.0    | 27.8     | 28.0     | 186 |
| 307620  | 20      | 65.0    | 29.8     | 28.0     | 196 |
| 307621  | 21      | 65.0    | 29.8     | 28.0     | 198 |
| 307622  | 22      | 65.0    | 31.8     | 28.0     | 200 |
| 307623  | 23      | 65.0    | 31.8     | 28.0     | 203 |
| 307624  | 24      | 65.0    | 33.8     | 28.0     | 205 |

# 1/2"DR. DEEP IMPACT UNIVERSAL SOCKET



| Item No | ●<br>inch | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|----------|-----|
| 342610  | 3/8       | 90.0    | 15.0     | 28.0     | 181 |
| 342611  | 7/16      | 90.0    | 17.0     | 28.0     | 191 |
| 342613  | 1/2       | 90.0    | 19.0     | 28.0     | 211 |
| 342614  | 9/16      | 90.0    | 21.8     | 28.0     | 232 |
| 342616  | 5/8       | 90.0    | 23.0     | 28.0     | 256 |
| 342617  | 11/16     | 90.0    | 25.8     | 28.0     | 264 |
| 342619  | 3/4       | 90.0    | 27.8     | 28.0     | 266 |
| 342621  | 13/16     | 90.0    | 29.8     | 28.0     | 409 |
| 342622  | 7/8       | 90.0    | 31.8     | 28.0     | 450 |
| 342624  | 15/16     | 90.0    | 33.8     | 28.0     | 500 |
| 342626  | 1         | 90.0    | 35.8     | 28.0     | 529 |



| Item No | ●<br>mm | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|----------|-----|
| 347610  | 10      | 90.0    | 15.0     | 28.0     | 181 |
| 347611  | 11      | 90.0    | 17.0     | 28.0     | 191 |
| 347612  | 12      | 90.0    | 19.0     | 28.0     | 200 |
| 347613  | 13      | 90.0    | 20.0     | 28.0     | 211 |
| 347614  | 14      | 90.0    | 21.8     | 28.0     | 232 |
| 347615  | 15      | 90.0    | 23.0     | 28.0     | 234 |
| 347616  | 16      | 90.0    | 23.0     | 28.0     | 256 |
| 347617  | 17      | 90.0    | 25.7     | 28.0     | 264 |
| 347618  | 18      | 90.0    | 25.8     | 28.0     | 265 |
| 347619  | 19      | 90.0    | 27.8     | 28.0     | 266 |
| 347620  | 20      | 90.0    | 29.8     | 28.0     | 400 |
| 347621  | 21      | 90.0    | 29.8     | 28.0     | 409 |
| 347622  | 22      | 90.0    | 31.8     | 28.0     | 449 |
| 347623  | 23      | 90.0    | 31.8     | 28.0     | 450 |
| 347624  | 24      | 90.0    | 33.8     | 28.0     | 500 |

## IMPACT UNIVERSAL SOCKET SET

### 000712

**Des. 7PCS 3/8"Dr. Impact Universal Socket Set**

**Contents:** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"



### 000713

**Des. 7PCS 3/8"Dr. Impact Universal Socket Set**

**Contents:** 10, 11, 12, 13, 14, 17, 19 mm



### 000714

**Des. 7PCS 1/2"Dr. Impact Universal Socket Set**

**Contents:** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"



### 000715

**Des. 7PCS 1/2"Dr. Impact Universal Socket Set**

**Contents:** 10, 11, 12, 13, 14, 17, 19 mm



### 000716

**Des. 7PCS 3/8"Dr. Deep Impact Universal Socket Set**

**Contents:** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**PACKAGE: PLASTIC TRAY & METAL CASE**



### 000717

**Des. 7PCS 3/8"Dr. Deep Impact Universal Socket Set**

**Contents:** 10, 11, 12, 13, 14, 17, 19 mm



### 000718

**Des. 7PCS 1/2"Dr. Deep Impact Universal Socket Set**

**Contents:** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"



### 000719

**Des. 7PCS 1/2"Dr. Deep Impact Universal Socket Set**

**Contents:** 10, 11, 12, 13, 14, 17, 19 mm



### 001025

**Des. 10PCS 3/8"Dr. Impact Universal Socket Set**

**Contents:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm



## IMPACT UNIVERSAL SOCKET SET

**001026**

**Des. 10PCS 3/8"Dr. Deep Impact Universal Socket Set**

**Contents:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

3/8"



**000918**

**Des. 9PCS 1/2"Dr. Impact Universal Socket Set**

**Contents:** 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"

**000919**

**Des. 9PCS 1/2"Dr. Impact Universal Socket Set**

**Contents:** 13, 14, 15, 16, 17, 18, 19, 21, 22 mm

1/2"



**000920**

**Des. 9PCS 1/2"Dr. Deep Impact Universal Socket Set**

**Contents:** 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"

**000921**

**Des. 9PCS 1/2"Dr. Deep Impact Universal Socket Set**

**Contents:** 13, 14, 15, 16, 17, 18, 19, 21, 22 mm

1/2"



# IMPACT UNIVERSAL SOCKET SET

001206

Des. 12PCS 3/8"Dr. Impact Universal Socket Set

Contents: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

3/8"



001207

Des. 12PCS 3/8"Dr. Deep Impact Universal Socket Set

Contents: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

3/8"



001027

Des. 10PCS 3/8"Dr. Impact Universal Socket Set

Contents: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

3/8"



001014

Des. 10PCS 3/8"Dr. Deep Impact Universal Socket Set

Contents: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

3/8"



## IMPACT UNIVERSAL SOCKET SET

000602

Des. 6PCS 1/4"Dr. Impact Universal Socket Set

Contents: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16"

1/4"



001409

Des. 14PCS 1/2"Dr. Impact Universal Socket Set

Contents: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4"

1/2"



001312

Des. 13PCS 1/2"Dr. Impact Universal Socket Set

Contents: 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm

1/2"



001205

Des. 12PCS 1/4"Dr. Impact Universal Socket Set

Contents: 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"



# IMPACT UNIVERSAL JOINT



SHAPE A



SHAPE B



SHAPE C



SHAPE D



| Item No | ■<br>inch | L<br>mm | D2<br>mm | g    | SHAPE |
|---------|-----------|---------|----------|------|-------|
| 43012   | 1/4       | 37.0    | 16.0     | 32   | A     |
| 43111   | 3/8       | 48.0    | 24.0     | 105  | B     |
| 43211   | 1/2       | 63.0    | 28.0     | 170  |       |
| 43312   | 3/4       | 90.0    | 44.0     | 540  | C     |
| 43412   | 1         | 110.0   | 54.0     | 1020 |       |

Male end with steel ball retainer



| Item No | ■<br>inch | L<br>mm | D2<br>mm | g   | SHAPE |
|---------|-----------|---------|----------|-----|-------|
| 43032   | 1/4       | 37.0    | 16.0     | 62  | A     |
| 43131   | 3/8       | 48.0    | 24.0     | 105 | B     |
| 43231   | 1/2       | 63.0    | 28.0     | 170 |       |

Male end with pin retainer



| Item No | ■<br>inch | L<br>mm | D2<br>mm | g     | SHAPE |
|---------|-----------|---------|----------|-------|-------|
| 43322   | 3/4       | 90.0    | 44.0     | 540   | C     |
| 43422   | 1         | 110.0   | 54.0     | 1020  |       |
| 43525   | 1-1/2     | 150.0   | 86.0     | 3750  | D     |
| 43625   | 2-1/2     | 230.0   | 127.0    | 12370 |       |

Male end with pin hole

## IMPACT ADAPTER



| Item No | Ø<br>inch | ■<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|-----------|---------|----------|-----|
| 42011   | 1/4       | 3/8       | 27.0    | 13.0     | 16  |
| 42110   | 3/8       | 1/4       | 32.0    | 22.0     | 20  |
| 42112   | 3/8       | 1/2       | 37.0    | 22.0     | 62  |
| 42211   | 1/2       | 3/8       | 38.0    | 25.0     | 72  |
| 42213   | 1/2       | 3/4       | 48.0    | 30.0     | 165 |
| 42312   | 3/4       | 1/2       | 56.0    | 44.0     | 325 |
| 42314   | 3/4       | 1         | 64.0    | 44.0     | 450 |
| 42413   | 1         | 3/4       | 75.0    | 54.0     | 570 |

Male end with steel ball retainer



| Item No | Ø<br>inch | ■<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|-----------|---------|----------|-----|
| 42031   | 1/4       | 3/8       | 27.0    | 13.0     | 16  |
| 42130   | 3/8       | 1/4       | 32.0    | 22.0     | 20  |
| 42132   | 3/8       | 1/2       | 37.0    | 22.0     | 62  |
| 42231   | 1/2       | 3/8       | 38.0    | 25.0     | 75  |
| 42332   | 3/4       | 1/2       | 56.0    | 44.0     | 325 |

Male end with pin retainer

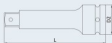


| Item No | Ø<br>inch | ■<br>inch | L<br>mm | D2<br>mm | g    |
|---------|-----------|-----------|---------|----------|------|
| 42324   | 3/4       | 1         | 64.0    | 44.0     | 450  |
| 42423   | 1         | 3/4       | 75.0    | 54.0     | 570  |
| 42425   | 1         | 1-1/2     | 90.0    | 54.0     | 1120 |
| 42524   | 1-1/2     | 1         | 100.0   | 86.0     | 2300 |
| 42526   | 1-1/2     | 2-1/2     | 120.0   | 86.0     | 3200 |
| 42625   | 2-1/2     | 1-1/2     | 138.0   | 127.0    | 6350 |

Male end with pin hole



# IMPACT EXTENSION BAR



| Item No | Ø<br>inch | L<br>mm | D2<br>mm | g    |
|---------|-----------|---------|----------|------|
| 410102  | 1/4       | 50.0    | 13.0     | 25   |
| 410104  | 1/4       | 100.0   | 13.0     | 45   |
| 410106  | 1/4       | 150.0   | 13.0     | 65   |
| 411103  | 3/8       | 75.0    | 19.0     | 85   |
| 411106  | 3/8       | 150.0   | 19.0     | 150  |
| 411110  | 3/8       | 250.0   | 19.0     | 250  |
| 412102  | 1/2       | 50.0    | 25.0     | 200  |
| 412103  | 1/2       | 75.0    | 25.0     | 220  |
| 412105  | 1/2       | 125.0   | 25.0     | 425  |
| 412107  | 1/2       | 175.0   | 25.0     | 430  |
| 412110  | 1/2       | 250.0   | 25.0     | 440  |
| 412112  | 1/2       | 300.0   | 25.0     | 530  |
| 412118  | 1/2       | 455.0   | 25.0     | 730  |
| 412124  | 1/2       | 610.0   | 25.0     | 960  |
| 413104  | 3/4       | 100.0   | 44.0     | 540  |
| 413106  | 3/4       | 150.0   | 44.0     | 750  |
| 413107  | 3/4       | 175.0   | 44.0     | 850  |
| 413108  | 3/4       | 200.0   | 44.0     | 950  |
| 413110  | 3/4       | 250.0   | 44.0     | 1110 |
| 413113  | 3/4       | 330.0   | 44.0     | 1450 |
| 413116  | 3/4       | 400.0   | 44.0     | 1750 |
| 414104  | 1         | 100.0   | 54.0     | 950  |
| 414107  | 1         | 175.0   | 54.0     | 1450 |
| 414108  | 1         | 200.0   | 54.0     | 1620 |
| 414110  | 1         | 250.0   | 54.0     | 1980 |
| 414113  | 1         | 330.0   | 54.0     | 2450 |
| 414116  | 1         | 400.0   | 54.0     | 3000 |

Male end with steel ball retainer

| Item No | Ø<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 410302  | 1/4       | 50.0    | 13.0     | 25  |
| 410304  | 1/4       | 100.0   | 13.0     | 45  |
| 410306  | 1/4       | 150.0   | 13.0     | 65  |
| 411303  | 3/8       | 75.0    | 19.0     | 85  |
| 411306  | 3/8       | 150.0   | 19.0     | 150 |
| 411310  | 3/8       | 250.0   | 19.0     | 250 |
| 412303  | 1/2       | 75.0    | 25.0     | 220 |
| 412305  | 1/2       | 125.0   | 25.0     | 425 |
| 412310  | 1/2       | 250.0   | 25.0     | 440 |
| 412312  | 1/2       | 300.0   | 25.0     | 530 |

Male end with pin retainer



| Item No | Ø<br>inch | L<br>mm | D2<br>mm | g    |
|---------|-----------|---------|----------|------|
| 413204  | 3/4       | 100.0   | 44.0     | 540  |
| 413206  | 3/4       | 150.0   | 44.0     | 750  |
| 413207  | 3/4       | 175.0   | 44.0     | 850  |
| 413208  | 3/4       | 200.0   | 44.0     | 950  |
| 413210  | 3/4       | 250.0   | 44.0     | 1110 |
| 413213  | 3/4       | 330.0   | 44.0     | 1450 |
| 413216  | 3/4       | 400.0   | 44.0     | 1750 |
| 414204  | 1         | 100.0   | 54.0     | 950  |
| 414207  | 1         | 175.0   | 54.0     | 1450 |
| 414208  | 1         | 200.0   | 54.0     | 1620 |
| 414210  | 1         | 250.0   | 54.0     | 1980 |
| 414213  | 1         | 330.0   | 54.0     | 2450 |
| 414216  | 1         | 400.0   | 54.0     | 3000 |
| 415205  | 1-1/2     | 125.0   | 86.0     | 2800 |
| 415210  | 1-1/2     | 250.0   | 86.0     | 4600 |

Male end with pin hole

# IMPACT ADAPTER & EXTENSION BAR SET

000603

Des. 6PCS 3/8"Dr. Impact Accessories Set

Contents: Impact Adapter (3/8"Fx1/4"M, 3/8"Fx1/2"M)

Impact Universal Joint 3/8"Dr.

Impact Extension Bar 1-3/4", 3" & 6"

3/8"



000601

Des. 6PCS Impact Adapter Set

Contents: Impact Adapter

3/8"F x1/4"M, 1/4"Fx3/8"M, 1/2"Fx3/8"M,

3/8"Fx1/2"M, 1/2"Fx3/4"M, 3/4"Fx1/2"M



000604

Des. 6PCS 1/2"Dr. Impact Accessories Set

Contents: Impact Adapter (1/2"Fx3/8"M, 1/2"Fx3/4"M)

Impact Universal Joint 1/2"Dr.

Impact Extension Bar 3", 5" & 7"

1/2"



001110

Des. 11PC Impact Accessories Set

Contents: Impact Adapter

1/4"Fx3/8"M, 3/8"Fx1/4"M

3/8"Fx1/2"M, 1/2"Fx3/8"M

1/2"Fx3/4"M, 3/4"Fx1/2"M

3/4"Fx1"M, 1"Fx3/4"M

Impact Universal Joint

1/4"Dr, 3/8"Dr, 1/2"Dr



## IMPACT BITS SOCKET



### 3/8"Dr. IMPACT HEX BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 441105  | 3/16      | 60.0    | 19.0     | 50  |
| 441155  | 7/32      | 60.0    | 19.0     | 52  |
| 441106  | 1/4       | 60.0    | 19.0     | 70  |
| 441107  | 9/32      | 60.0    | 19.0     | 75  |
| 441108  | 5/16      | 60.0    | 19.0     | 80  |
| 441110  | 3/8       | 60.0    | 19.0     | 90  |
| 441111  | 7/16      | 60.0    | 19.0     | 90  |
| 441113  | 1/2       | 60.0    | 19.0     | 100 |
| 441114  | 9/16      | 60.0    | 19.0     | 115 |
| 441116  | 5/8       | 60.0    | 19.0     | 120 |

| Item No | A<br>mm | L<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|-----|
| 446104  | 4       | 60.0    | 19.0     | 50  |
| 446105  | 5       | 60.0    | 19.0     | 50  |
| 446106  | 6       | 60.0    | 19.0     | 65  |
| 446107  | 7       | 60.0    | 19.0     | 75  |
| 446108  | 8       | 60.0    | 19.0     | 80  |
| 446109  | 9       | 60.0    | 19.0     | 85  |
| 446110  | 10      | 60.0    | 19.0     | 90  |
| 446111  | 11      | 60.0    | 19.0     | 90  |
| 446112  | 12      | 60.0    | 19.0     | 95  |
| 446113  | 13      | 60.0    | 19.0     | 100 |
| 446114  | 14      | 60.0    | 19.0     | 110 |
| 446115  | 15      | 60.0    | 19.0     | 115 |
| 446116  | 16      | 60.0    | 19.0     | 120 |

### 1/2"Dr. IMPACT HEX BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 442105  | 3/16      | 77.0    | 25.0     | 90  |
| 442155  | 7/32      | 77.0    | 25.0     | 90  |
| 442106  | 1/4       | 77.0    | 25.0     | 92  |
| 442107  | 9/32      | 77.0    | 25.0     | 95  |
| 442108  | 5/16      | 77.0    | 25.0     | 102 |
| 442110  | 3/8       | 77.0    | 25.0     | 125 |
| 442111  | 7/16      | 77.0    | 25.0     | 133 |
| 442113  | 1/2       | 77.0    | 25.0     | 133 |
| 442114  | 9/16      | 77.0    | 25.0     | 136 |
| 442116  | 5/8       | 77.0    | 25.0     | 138 |
| 442117  | 11/16     | 77.0    | 25.0     | 145 |
| 442119  | 3/4       | 77.0    | 25.0     | 210 |

| Item No | A<br>inch | L<br>mm | D2<br>mm | g  |
|---------|-----------|---------|----------|----|
| 447A04  | 4         | 42.0    | 25.0     | 11 |
| 447A05  | 5         | 42.0    | 25.0     | 11 |
| 447A06  | 6         | 42.0    | 25.0     | 11 |
| 447A07  | 7         | 42.0    | 25.0     | 11 |
| 447A08  | 8         | 42.0    | 25.0     | 11 |
| 447A10  | 10        | 42.0    | 25.0     | 12 |
| 447A12  | 12        | 42.0    | 25.0     | 12 |
| 447A14  | 14        | 42.0    | 25.0     | 13 |
| 447A17  | 17        | 42.0    | 25.0     | 14 |
| 447A19  | 19        | 42.0    | 25.0     | 15 |

| Item No | A<br>mm | L<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|-----|
| 447104  | 4       | 77.0    | 25.0     | 85  |
| 447105  | 5       | 77.0    | 25.0     | 90  |
| 447106  | 6       | 77.0    | 25.0     | 92  |
| 447107  | 7       | 77.0    | 25.0     | 95  |
| 447108  | 8       | 77.0    | 25.0     | 102 |
| 447109  | 9       | 77.0    | 25.0     | 105 |
| 447110  | 10      | 77.0    | 25.0     | 130 |
| 447111  | 11      | 77.0    | 25.0     | 133 |
| 447112  | 12      | 77.0    | 25.0     | 136 |
| 447113  | 13      | 77.0    | 25.0     | 136 |
| 447114  | 14      | 77.0    | 25.0     | 136 |
| 447115  | 15      | 77.0    | 25.0     | 138 |
| 447116  | 16      | 77.0    | 25.0     | 138 |
| 447117  | 17      | 77.0    | 25.0     | 140 |
| 447118  | 18      | 77.0    | 25.0     | 160 |
| 447119  | 19      | 77.0    | 25.0     | 210 |

## IMPACT BITS SOCKET



### 3/4"Dr. IMPACT HEX BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 443110  | 3/8       | 100.0   | 44.0     | 480 |
| 443111  | 7/16      | 100.0   | 44.0     | 500 |
| 443113  | 1/2       | 100.0   | 44.0     | 510 |
| 443114  | 9/16      | 100.0   | 44.0     | 520 |
| 443116  | 5/8       | 100.0   | 44.0     | 530 |
| 443117  | 11/16     | 100.0   | 44.0     | 540 |
| 443119  | 3/4       | 100.0   | 44.0     | 600 |
| 443121  | 13/16     | 100.0   | 44.0     | 610 |
| 443122  | 7/8       | 100.0   | 44.0     | 620 |
| 443126  | 1         | 100.0   | 44.0     | 680 |
| 443127  | 1-1/16    | 100.0   | 44.0     | 720 |

| Item No | A<br>mm | L<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|-----|
| 448110  | 10      | 100.0   | 44.0     | 490 |
| 448112  | 12      | 100.0   | 44.0     | 510 |
| 448114  | 14      | 100.0   | 44.0     | 520 |
| 448117  | 17      | 100.0   | 44.0     | 540 |
| 448119  | 19      | 100.0   | 44.0     | 600 |
| 448122  | 22      | 100.0   | 44.0     | 620 |
| 448124  | 24      | 100.0   | 44.0     | 690 |
| 448127  | 27      | 100.0   | 44.0     | 720 |
| 448130  | 30      | 100.0   | 44.0     | 830 |
| 448132  | 32      | 100.0   | 44.0     | 850 |

### 1"Dr. IMPACT HEX BITS SOCKET

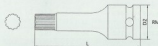
| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 444110  | 3/8       | 100.0   | 54.0     | 680 |
| 444111  | 7/16      | 100.0   | 54.0     | 700 |
| 444113  | 1/2       | 100.0   | 54.0     | 720 |
| 444114  | 9/16      | 100.0   | 54.0     | 730 |
| 444116  | 5/8       | 100.0   | 54.0     | 740 |
| 444117  | 11/16     | 100.0   | 54.0     | 750 |
| 444119  | 3/4       | 100.0   | 54.0     | 810 |
| 444121  | 13/16     | 100.0   | 54.0     | 830 |
| 444122  | 7/8       | 100.0   | 54.0     | 870 |
| 444126  | 1         | 100.0   | 54.0     | 910 |
| 444127  | 1-1/16    | 100.0   | 54.0     | 930 |

| Item No | A<br>mm | L<br>mm | D2<br>mm | g    |
|---------|---------|---------|----------|------|
| 449110  | 10      | 100.0   | 54.0     | 680  |
| 449112  | 12      | 100.0   | 54.0     | 700  |
| 449114  | 14      | 100.0   | 54.0     | 730  |
| 449117  | 17      | 100.0   | 54.0     | 740  |
| 449119  | 19      | 100.0   | 54.0     | 810  |
| 449122  | 22      | 100.0   | 54.0     | 840  |
| 449124  | 24      | 100.0   | 54.0     | 890  |
| 449127  | 27      | 100.0   | 54.0     | 930  |
| 449130  | 30      | 100.0   | 54.0     | 1050 |
| 449132  | 32      | 100.0   | 54.0     | 1260 |

## IMPACT BITS SOCKET



M (XEN)



RM (RIBE)

### 1/2"Dr. M IMPACT BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g  |
|---------|-----------|---------|----------|----|
| 447C04  | M4        | 42.0    | 25.0     | 11 |
| 447C05  | M5        | 42.0    | 25.0     | 11 |
| 447C06  | M6        | 42.0    | 25.0     | 11 |
| 447C08  | M8        | 42.0    | 25.0     | 11 |
| 447C09  | M9        | 42.0    | 25.0     | 12 |
| 447C10  | M10       | 42.0    | 25.0     | 12 |
| 447C12  | M12       | 42.0    | 25.0     | 12 |
| 447C14  | M14       | 42.0    | 25.0     | 13 |
| 447C16  | M16       | 42.0    | 25.0     | 14 |
| 447C18  | M18       | 42.0    | 25.0     | 15 |

### 1/2"Dr. RM IMPACT BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g  |
|---------|-----------|---------|----------|----|
| 447F04  | RM4       | 42.0    | 25.0     | 11 |
| 447F05  | RM5       | 42.0    | 25.0     | 11 |
| 447F06  | RM6       | 42.0    | 25.0     | 11 |
| 447F07  | RM7       | 42.0    | 25.0     | 11 |
| 447F08  | RM8       | 42.0    | 25.0     | 11 |
| 447F09  | RM9       | 42.0    | 25.0     | 12 |
| 447F10  | RM10      | 42.0    | 25.0     | 12 |
| 447F11  | RM11      | 42.0    | 25.0     | 13 |
| 447F12  | RM12      | 42.0    | 25.0     | 13 |
| 447F13  | RM13      | 42.0    | 25.0     | 14 |
| 447F14  | RM14      | 42.0    | 25.0     | 15 |

| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 447304  | M4        | 77.0    | 25.0     | 85  |
| 447305  | M5        | 77.0    | 25.0     | 90  |
| 447306  | M6        | 77.0    | 25.0     | 92  |
| 447308  | M8        | 77.0    | 25.0     | 95  |
| 447309  | M9        | 77.0    | 25.0     | 95  |
| 447310  | M10       | 77.0    | 25.0     | 102 |
| 447312  | M12       | 77.0    | 25.0     | 105 |
| 447314  | M14       | 77.0    | 25.0     | 120 |
| 447316  | M16       | 77.0    | 25.0     | 120 |
| 447318  | M18       | 77.0    | 25.0     | 130 |

| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 447604  | RM4       | 77.0    | 25.0     | 85  |
| 447605  | RM5       | 77.0    | 25.0     | 90  |
| 447606  | RM6       | 77.0    | 25.0     | 92  |
| 447607  | RM7       | 77.0    | 25.0     | 95  |
| 447608  | RM8       | 77.0    | 25.0     | 102 |
| 447609  | RM9       | 77.0    | 25.0     | 105 |
| 447610  | RM10      | 77.0    | 25.0     | 110 |
| 447611  | RM11      | 77.0    | 25.0     | 110 |
| 447612  | RM12      | 77.0    | 25.0     | 120 |
| 447613  | RM13      | 77.0    | 25.0     | 120 |
| 447614  | RM14      | 77.0    | 25.0     | 130 |

## IMPACT BITS SOCKET

### 3/8"Dr. IMPACT STAR BITS SOCKET

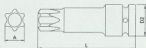
| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 446210  | T10       | 60.0    | 19.0     | 50  |
| 446215  | T15       | 60.0    | 19.0     | 52  |
| 446220  | T20       | 60.0    | 19.0     | 70  |
| 446225  | T25       | 60.0    | 19.0     | 75  |
| 446227  | T27       | 60.0    | 19.0     | 80  |
| 446230  | T30       | 60.0    | 19.0     | 90  |
| 446240  | T40       | 60.0    | 19.0     | 90  |
| 446245  | T45       | 60.0    | 19.0     | 100 |
| 446247  | T47       | 60.0    | 19.0     | 110 |
| 446250  | T50       | 60.0    | 19.0     | 115 |
| 446255  | T55       | 60.0    | 19.0     | 120 |
| 446260  | T60       | 60.0    | 19.0     | 125 |
| 446270  | T70       | 60.0    | 19.0     | 130 |

### 1/2"Dr. IMPACT STAR BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g  |
|---------|-----------|---------|----------|----|
| 447B10  | T10       | 42.0    | 25.0     | 11 |
| 447B15  | T15       | 42.0    | 25.0     | 11 |
| 447B20  | T20       | 42.0    | 25.0     | 11 |
| 447B25  | T25       | 42.0    | 25.0     | 11 |
| 447B27  | T27       | 42.0    | 25.0     | 11 |
| 447B30  | T30       | 42.0    | 25.0     | 11 |
| 447B40  | T40       | 42.0    | 25.0     | 12 |
| 447B45  | T45       | 42.0    | 25.0     | 12 |
| 447B47  | T47       | 42.0    | 25.0     | 12 |
| 447B50  | T50       | 42.0    | 25.0     | 13 |
| 447B55  | T55       | 42.0    | 25.0     | 13 |
| 447B60  | T60       | 42.0    | 25.0     | 14 |
| 447B70  | T70       | 42.0    | 25.0     | 14 |
| 447B80  | T80       | 42.0    | 25.0     | 15 |

### 1/2"Dr. IMPACT STAR BITS SOCKET

| Item No | A<br>mm | L<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|-----|
| 447210  | T10     | 77.0    | 25.0     | 85  |
| 447215  | T15     | 77.0    | 25.0     | 88  |
| 447220  | T20     | 77.0    | 25.0     | 90  |
| 447225  | T25     | 77.0    | 25.0     | 90  |
| 447227  | T27     | 77.0    | 25.0     | 95  |
| 447230  | T30     | 77.0    | 25.0     | 100 |
| 447240  | T40     | 77.0    | 25.0     | 105 |
| 447245  | T45     | 77.0    | 25.0     | 110 |
| 447247  | T47     | 77.0    | 25.0     | 120 |
| 447250  | T50     | 77.0    | 25.0     | 133 |
| 447255  | T55     | 77.0    | 25.0     | 145 |
| 447260  | T60     | 77.0    | 25.0     | 160 |
| 447270  | T70     | 77.0    | 25.0     | 180 |
| 447280  | T80     | 77.0    | 25.0     | 200 |



### 3/4"Dr. IMPACT STAR BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g   |
|---------|-----------|---------|----------|-----|
| 448250  | T50       | 100.0   | 44.0     | 510 |
| 448255  | T55       | 100.0   | 44.0     | 540 |
| 448260  | T60       | 100.0   | 44.0     | 600 |
| 448270  | T70       | 100.0   | 44.0     | 620 |
| 448280  | T80       | 100.0   | 44.0     | 690 |
| 448290  | T90       | 100.0   | 44.0     | 720 |
| 4482A0  | T100      | 100.0   | 44.0     | 840 |

### 1"Dr. IMPACT STAR BITS SOCKET

| Item No | A<br>inch | L<br>mm | D2<br>mm | g    |
|---------|-----------|---------|----------|------|
| 449250  | T50       | 100.0   | 54.0     | 700  |
| 449255  | T55       | 100.0   | 54.0     | 740  |
| 449260  | T60       | 100.0   | 54.0     | 840  |
| 449270  | T70       | 100.0   | 54.0     | 890  |
| 449280  | T80       | 100.0   | 54.0     | 930  |
| 449290  | T90       | 100.0   | 54.0     | 1050 |
| 4492A0  | T100      | 100.0   | 54.0     | 1150 |

## IMPACT BITS SOCKET SET

### 001016

**Des. 10PCS 1/2"Dr. Impact Hex Bits Socket Set**

**Contents:** H6, H7, H8, H10, H12, H14, H15, H17, H18, H19 mm

1/2"



### 001208

**Des. 12PCS Impact Star Bits Socket Set**

**Contents:** 1/4"Dr. Star Bits Socket

T10, T15, T20, T25, T27, T30

3/8"Dr. Star Bits Socket - T40, T45, T47, T50, T55

1/2"Dr. Star Bits Socket - T60

1/4"  
3/8"  
1/2"



### 001309

**Des. 13PCS 3/8"Dr. Impact Hex Bits Socket Set**

**Contents:** H4, H5, H6, H7, H10, H12 mm  
H3/16", H7/32", H1/4", H5/16", H3/8", H7/16", H1/2"

3/8"



### 001803

**Des. 18PCS 1/2"Dr. Impact Hex Bits Socket Set**

**Contents:** H6, H7, H10, H12, H14, H15, H17, H18 mm  
H1/4", H9/32", H5/16", H3/8", H7/16", H1/2", H9/16", H5/8", H11/16", H3/4"

1/2"



### 001015

**Des. 10PCS 1/2"Dr. Impact Hex Bits Socket Set**

**Contents:** H1/4", H9/32", H5/16", H3/8", H7/16", H1/2", H9/16", H5/8", H11/16", H3/4"

1/2"



# IMPACT BITS SOCKET SET

000903

Des. 9PCS 1/2"Dr. Impact Hex Bits Socket Set

Contents: H3/16", H7/32", H1/4", H9/32", H5/16", H3/8", H1/2", H9/16", H5/8"

1/2"



000902

Des. 9PCS 1/2"Dr. Impact Hex Bits Socket Set

Contents: H5, H6, H7, H8, H9, H10, H12, H14, H17

1/2"



001009

Des. 10PCS 1/2"Dr. Impact Hex Bits Socket Set

Contents: H5, H6, H7, H8, H9, H10, H12, H14, H17, H19

1/2"





## IMPACT SOCKET



**First factory made by "CR-MO"**  
**High Standard-"1.33" over ANSI Standard**

**Material:** CR-MO Steel  
**Finished:** Vacuum Electroplating  
 Black Chrome

**Feature:** Spline socket with Precise spline teeth engage the fastener, so the design allows user to apply more torque without damaging tool or fastener head.  
 High performance are applicable to all nuts and bolts in military equipment and commercial aircraft.

**Suitable:** 4, 6, 12 point fasteners  
 E socket  
 Drive over 6 different fastener types



### 001317

**Des:** 13PC 1/2" Dr. Regular Impact Set (Metric)  
**Contents:** 1/2" Dr. Impact Socket  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24



### 001318

**Des:** 13PC 1/2" Dr. Regular Impact Socket Set (S.A.E.)  
**Contents:** 1/2" Dr. Impact Socket  
 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16",  
 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"



### 003002

**Des:** 30PC 1/2" Dr. Regular & Deep Impact Socket Set (Metric)  
**Contents:**  
 1/2" Dr. Regular Impact Socket  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24  
 1/2" Dr. Deep Impact Socket  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24  
 1/2" Dr. Impact Universal Joint + Extension Bar 3"



## MAGNETIC IMPACT

### Features:

The magnetic stock to hold fasteners securely during installation and removal.



### 001204

Des. 12PC 1/4"Dr. Magnetic Deep Impact Socket Set (Metric)

Contents: 1/4"Dr. Magnetic Deep Impact Socket

5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"



### 001308

Des. 13PC 3/8"Dr. Magnetic Deep Impact Socket Set (Metric)

Contents: 3/8"Dr. Magnetic Deep Impact Socket

7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

3/8"



# MAGNETIC IMPACT

001203

Des. 12PC 1/4"Dr. Magnetic Regular Impact Socket Set (Metric)

Contents: 1/4"Dr. Magnetic Regular Impact Socket

5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"



000910

Des. 9PC 3/8"Dr. Magnetic Regular Impact Socket Set (S.A.E.)

Contents: 3/8"Dr. Magnetic Regular Impact Socket

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

3/8"



002301

Des. 23PC 1/4"Dr. Magnetic Impact Socket Set

Contents: 1/4"Dr. Magnetic Impact Socket

3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"

1/4"Dr. Magnetic Impact Socket

5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm

1/4"Dr. Impact Universal Joint + Extension Bar 2"

1/4"



# STAR IMPACT SOCKET



## 1/4"Dr. STAR IMPACT SOCKET

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  |
|---------|---------|---------|----------|----------|---------|----|
| 135004  | E4      | 25.0    | 7.0      | 13.0     | 4.0     | 9  |
| 135005  | E5      | 25.0    | 7.8      | 13.0     | 4.0     | 9  |
| 135006  | E6      | 25.0    | 8.8      | 13.0     | 5.0     | 10 |
| 135007  | E7      | 25.0    | 9.5      | 13.0     | 6.0     | 10 |
| 135008  | E8      | 25.0    | 10.5     | 13.0     | 6.0     | 10 |
| 135010  | E10     | 25.0    | 12.3     | 13.0     | 7.5     | 11 |
| 135011  | E11     | 25.0    | 13.0     | 13.0     | 8.0     | 12 |

## 3/8"Dr. STAR IMPACT SOCKET

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g  |
|---------|---------|---------|----------|----------|---------|----|
| 136005  | E5      | 30.0    | 8.2      | 19.0     | 4.0     | 30 |
| 136006  | E6      | 30.0    | 9.5      | 19.0     | 5.0     | 30 |
| 136007  | E7      | 30.0    | 10.3     | 19.0     | 6.0     | 30 |
| 136008  | E8      | 30.0    | 11.4     | 19.0     | 6.0     | 30 |
| 136010  | E10     | 30.0    | 12.5     | 19.0     | 7.5     | 33 |
| 136011  | E11     | 30.0    | 13.8     | 19.0     | 8.0     | 35 |
| 136012  | E12     | 30.0    | 15.0     | 19.0     | 8.5     | 37 |
| 136014  | E14     | 30.0    | 17.0     | 19.0     | 10.0    | 40 |
| 136016  | E16     | 30.0    | 19.0     | 19.0     | 11.0    | 50 |

## 1/2"Dr. STAR IMPACT SOCKET

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   |
|---------|---------|---------|----------|----------|---------|-----|
| 137008  | E8      | 38.0    | 12.0     | 25.0     | 7.0     | 85  |
| 137010  | E10     | 38.0    | 14.2     | 25.0     | 7.5     | 85  |
| 137011  | E11     | 38.0    | 15.0     | 25.0     | 8.0     | 85  |
| 137012  | E12     | 38.0    | 16.0     | 25.0     | 8.5     | 85  |
| 137014  | E14     | 38.0    | 18.0     | 25.0     | 10.0    | 85  |
| 137016  | E16     | 38.0    | 20.0     | 25.0     | 11.0    | 85  |
| 137018  | E18     | 38.0    | 22.0     | 25.0     | 12.0    | 85  |
| 137020  | E20     | 38.0    | 24.0     | 30.0     | 14.0    | 130 |
| 137022  | E22     | 45.0    | 25.5     | 30.0     | 16.0    | 160 |
| 137024  | E24     | 45.0    | 28.0     | 30.0     | 18.0    | 160 |

## 1/2"DR. THIN WALL WHEEL LUG SOCKET (1A7F17)



**1/2"Dr. THIN WALL WHEEL LUG SOCKET**

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   |
|---------|---------|---------|----------|----------|---------|-----|
| 1A7F17  | 17      | 78      | 26       | 26       | 20      | 192 |



**1/2"Dr. THIN WALL WHEEL LUG SOCKET**

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   |
|---------|---------|---------|----------|----------|---------|-----|
| 1A7H17  | 17      | 78      | 26       | 26       | 22      | 192 |



**1/2"Dr. THIN WALL WHEEL LUG SOCKET**

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   |
|---------|---------|---------|----------|----------|---------|-----|
| 1A7H17  | 17      | 78      | 24.8     | 28       | 22      | 197 |



**Size: 1/2"Dr. x 17mm (78mmL)-CR-MO Steel**

Features: Specially designed to loosen and tighten the new special wheel bolts found on M-Benz vehicles.

Suitable for M-Benz:

C Class, GLK Class (W204)

E Class (W211, W212, W207)

SLK Class (W172)

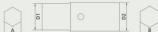
M Class & ML Class (W164 & W166)

CL Class (CL500, W216)

S Class (W221 & W222)



## 1/2"DR. IMPACT SOCKET SET FOR CAR



### 1/2"Dr. FLIP IMPACT SOCKETS

| Item No | A      | B      | L    | D1   | D2   | g   |
|---------|--------|--------|------|------|------|-----|
|         |        |        | mm   | mm   | mm   |     |
| 1A7502  | 17     | 19     | 77.0 | 26.0 | 28.0 | 210 |
| 1A7504  | 19     | 21     | 77.0 | 28.0 | 30.0 | 230 |
| 1A7506  | 21     | 22     | 77.0 | 30.0 | 32.0 | 310 |
| 1A7508  | 21     | 23     | 77.0 | 30.0 | 32.0 | 310 |
| 1A2522  | 3/4"   | 13/16" | 77.0 | 28.0 | 30.0 | 230 |
| 1A2524  | 13/16" | 7/8"   | 77.0 | 30.0 | 32.0 | 310 |
| 1A2526  | 11/16" | 3/4"   | 77.0 | 26.0 | 28.0 | 210 |
| 1A2532  | 7/8"   | 15/16" | 77.0 | 32.0 | 34.0 | 280 |
| 1A2528  | 7/8"   | 15/16" | 82.0 | 32.0 | 34.0 | 300 |



### 1/2"Dr. THIN WALL FLIP IMPACT SOCKETS

| Item No | A    | B      | L    | D1   | D2   | g   |
|---------|------|--------|------|------|------|-----|
|         |      |        | mm   | mm   | mm   |     |
| 1A7505  | 19   | 21     | 77.0 | 26.0 | 28.0 | 200 |
| 1A2523  | 3/4" | 13/16" | 77.0 | 26.0 | 28.0 | 220 |



#### 000315

**Des:** 3pc 1/2"Dr. Flip Impact Socket Set

**Contents:** 3/4"x13/16"(thin), 19x21(thin)  
1/2"Dr. Impact Extension Bar 3"

#### 000316

**Des:** 3pc 1/2"Dr. Flip Impact Socket Set

**Contents:** 19x21, 19x21(thin)  
1/2"Dr. Impact Extension Bar 3"

#### 000317

**Des:** 3pc 1/2"Dr. Flip Impact Socket Set

**Contents:** 11/16"x3/4", 13x16"x7/8"  
1/2"Dr. Impact Extension Bar 3"

#### 000318

**Des:** 3pc 1/2"Dr. Flip Impact Socket Set

**Contents:** 17x19, 21x22  
1/2"Dr. Impact Extension Bar 3"

#### 000319

**Des:** 3pc 1/2"Dr. Flip Impact Socket Set

**Contents:** 17x19, 21x23  
1/2"Dr. Impact Extension Bar 3"

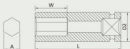


## 1/2"DR. IMPACT SOCKET SET FOR CAR

### 000320

**Des:** 3pcs 1/2"Dr. Wheel Nut Thin Wall Impact Socket Set-78mm

**Contents:** 17, 19, 21mm



### 1/2"Dr. Wheel Nut Thin Wall Impact Socket-78mm

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g |
|---------|---------|---------|----------|----------|---------|---|
| 1A7417  | 17      | 78.0    | 24.0     | 23.0     | 210     |   |
| 1A7419  | 19      | 78.0    | 26.0     | 25.0     | 220     |   |
| 1A7421  | 21      | 78.0    | 28.0     | 27.0     | 230     |   |

### 000309

**Des:** 3pcs 1/2"Dr. Wheel Nut Thin Wall Impact Socket Set-100mm

**Contents:** 17, 19, 21 mm



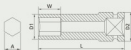
### 1/2"Dr. Wheel Nut Thin Wall Impact Socket-100mm

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   |
|---------|---------|---------|----------|----------|---------|-----|
| 1A7B17  | 17      | 100.0   | 24.0     | 25.0     | 22.0    | 220 |
| 1A7B19  | 19      | 100.0   | 26.0     | 25.0     | 24.0    | 270 |
| 1A7B21  | 21      | 100.0   | 28.0     | 25.0     | 26.0    | 290 |

### 000313

**Des:** 3pcs 1/2"Dr. Wheel Nut Impact Socket Set-78mm

**Contents:** 17, 19, 21 mm



### 1/2"Dr. Wheel Nut Impact Sockets - 78 mm

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g    |
|---------|---------|---------|----------|----------|---------|------|
| 147017  | 17      | 78.0    | 26.0     | 30.0     | 17.0    | 0.22 |
| 147019  | 19      | 78.0    | 28.0     | 30.0     | 20.0    | 0.23 |
| 147021  | 21      | 78.0    | 30.0     | 30.0     | 22.0    | 0.24 |



## 1/2"DR. IMPACT SOCKET SET FOR CAR



| Item No | Item No | A  | L    | D1   | D2   | W    | g   |
|---------|---------|----|------|------|------|------|-----|
| SHAPE A | SHAPE B | mm | mm   | mm   | mm   | mm   |     |
| 1A7714  | 1A7114  | 14 | 85.0 | 22.2 | 25.0 | 17.0 | 180 |
| 1A7715  | 1A7115  | 15 | 85.0 | 22.2 | 25.0 | 17.0 | 180 |
| 1A7717  | 1A7117  | 17 | 85.0 | 24.8 | 30.0 | 23.0 | 220 |
| 1A7719  | 1A7119  | 19 | 85.0 | 26.7 | 30.0 | 23.0 | 240 |
| 1A7721  | 1A7121  | 21 | 85.0 | 28.6 | 30.0 | 23.0 | 270 |
| 1A7722  | 1A7122  | 22 | 85.0 | 30.7 | 32.0 | 23.0 | 320 |
| 1A7724  | 1A7124  | 24 | 85.0 | 32.9 | 34.0 | 23.0 | 390 |

| Item No | Item No | A  | L     | D1   | D2   | W    | g   |
|---------|---------|----|-------|------|------|------|-----|
| SHAPE A | SHAPE B | mm | mm    | mm   | mm   | mm   |     |
| 1A7817  | 1A7217  | 17 | 100.0 | 24.8 | 30.0 | 23.0 | 230 |
| 1A7819  | 1A7219  | 19 | 100.0 | 26.7 | 30.0 | 23.0 | 280 |
| 1A7821  | 1A7221  | 21 | 100.0 | 28.6 | 30.0 | 23.0 | 300 |

| Item No | Item No | A  | L     | D1   | D2   | W    | g   |
|---------|---------|----|-------|------|------|------|-----|
| SHAPE A | SHAPE B | mm | mm    | mm   | mm   | mm   |     |
| 1A7917  | 1A7317  | 17 | 150.0 | 24.8 | 30.0 | 23.0 | 600 |
| 1A7919  | 1A7319  | 19 | 150.0 | 26.7 | 30.0 | 23.0 | 650 |
| 1A7921  | 1A7321  | 21 | 150.0 | 28.6 | 30.0 | 23.0 | 700 |

### 000302

**Des:** 3pcs 1/2"Dr. Rim Wheel Nut Impact Socket Set-85mmL  
**Contents:** 17, 19, 21 mm



### 000403

**Des:** 4pcs 1/2"Dr. Rim Wheel Nut Impact Socket Set-85mmL  
**Contents:** 17, 19, 21, 22 mm



### 000502

**Des:** 5pcs 1/2"Dr. Rim Wheel Nut Impact Socket Set-85mmL  
**Contents:** 17, 19, 21, 22, 24 mm

### 000510

**Des:** 5pcs 1/2"Dr. Rim Wheel Nut Impact Socket Set-85mmL  
**Contents:** 15, 17, 19, 21, 22 mm





# 1/2"DR. IMPACT SOCKET SET FOR CAR

## 000301

**Des:** 3pcs 1/2"Dr. Wheel Nut Impact Socket Set-85mm

**Contents:** 17, 19, 21 mm



## 000303

**Des:** 3pcs 1/2"Dr. Wheel Nut Impact Socket Set-100mm

**Contents:** 17, 19, 21 mm



## 000505

**Des:** 5pcs 1/2"Dr. Wheel Nut Impact Socket Set-85mm

**Contents:** 15, 17, 19, 21, 22 mm

## 000501

**Des:** 5pcs 1/2"Dr. Wheel Nut Impact Socket Set-85mm

**Contents:** 17, 19, 21, 22, 24 mm



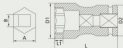
## 000330

**Des:** 3pcs 1/2"Dr. Wheel Nut Impact Socket Set-150mm

**Contents:** 17, 19, 21 mm



## PROFESSIONAL SOCKET FOR TRUCK



**Tightening /  
Loosening Outer Nut**



**Tightening /  
Loosening Inner Nut**



### 3/4"Dr. COMBINATION BUDD WHEEL IMPACT SOCKET

| Item No | A      | B      | L    | L1   | D1   | D2   | g    |
|---------|--------|--------|------|------|------|------|------|
| 1A8A01  | 35 mm  | 17 mm  | 90.0 | 13.0 | 54.0 | 44.0 | 1080 |
| 1A8A04  | 41 mm  | 21 mm  | 95.0 | 14.0 | 58.0 | 44.0 | 1050 |
| 1A3A05  | 1-1/2" | 13/16" | 95.0 | 14.0 | 57.0 | 44.0 | 1050 |

### 1"Dr. COMBINATION BUDD WHEEL IMPACT SOCKET

| Item No | A      | B      | L    | L1   | D1   | D2   | g    |
|---------|--------|--------|------|------|------|------|------|
| 1A9A01  | 35 mm  | 17 mm  | 94.0 | 13.0 | 54.0 | 54.0 | 1030 |
| 1A9A02  | 38 mm  | 19 mm  | 94.0 | 14.0 | 56.0 | 54.0 | 1020 |
| 1A9A03  | 38 mm  | 20 mm  | 96.0 | 14.0 | 56.0 | 54.0 | 1020 |
| 1A9A04  | 41 mm  | 21 mm  | 99.0 | 14.0 | 58.0 | 54.0 | 1100 |
| 1A4A05  | 1-1/2" | 13/16" | 99.0 | 14.0 | 57.0 | 54.0 | 1000 |

#### 000509

**Des:** Spcs 1"Dr. Combination Budd Wheel Impact Socket Set

**Contents:** 35x17, 38x19, 38x20, 41x21mm, 1-1/2"x13/16"

Quality Budd wheel impact sockets are made of heavy duty chrome molybdenum and designed to stand up to rugged use when working on front and rear axle wheels

#### FEATURE / BENEFITS

Each socket distinctly etched with size for easy readability

Use 33x17 could suitable on

TOYOTA, MAZDA, ISUZU, NINO, DAIHATSU

41x21mm suitable on

NISSAN, MITSUBISHI, TRACK and IMPORT trucks

with dual rear wheels 1-1/2" socket for domestic

trucks with dual rear wheels



## PROFESSIONAL SOCKET FOR TRUCK

### 3/4"Dr. DOUBLE SQUARE IMPACT SOCKET



| Item No | A      | L    | D1   | D2   | g   |
|---------|--------|------|------|------|-----|
|         | mm     | mm   | mm   | mm   |     |
| 1A8017  | 17 mm  | 52.0 | 37.0 | 44.0 | 320 |
| 1A8019  | 19 mm  | 52.0 | 39.0 | 44.0 | 320 |
| 1A8020  | 20 mm  | 52.0 | 41.0 | 44.0 | 350 |
| 1A8021  | 21 mm  | 52.0 | 42.0 | 44.0 | 350 |
| 1A3019  | 3/4"   | 52.0 | 39.0 | 44.0 | 320 |
| 1A3021  | 13/16" | 52.0 | 42.0 | 44.0 | 350 |



### 1"Dr. DOUBLE SQUARE IMPACT SOCKET

| Item No | A      | L    | D1   | D2   | g   |
|---------|--------|------|------|------|-----|
|         | mm     | mm   | mm   | mm   |     |
| 1A9017  | 17 mm  | 57.0 | 40.0 | 54.0 | 360 |
| 1A9019  | 19 mm  | 57.0 | 43.0 | 54.0 | 360 |
| 1A9020  | 20 mm  | 57.0 | 45.0 | 54.0 | 390 |
| 1A9021  | 21 mm  | 57.0 | 47.0 | 54.0 | 390 |
| 1A9022  | 22 mm  | 57.0 | 47.0 | 54.0 | 390 |
| 1A4019  | 3/4"   | 57.0 | 43.0 | 54.0 | 360 |
| 1A4021  | 13/16" | 57.0 | 47.0 | 54.0 | 390 |
| 1A4024  | 15/16" | 57.0 | 48.0 | 54.0 | 430 |

### 3/4"Dr. DOUBLE SQUARE IMPACT SOCKET DEEP LENGTH



| Item No | A  | L    | D1   | D2   | g   |
|---------|----|------|------|------|-----|
|         | mm | mm   | mm   | mm   |     |
| 1A8C17  | 17 | 90.0 | 37.0 | 44.0 | 600 |
| 1A8C19  | 19 | 90.0 | 39.0 | 44.0 | 620 |
| 1A8C20  | 20 | 90.0 | 41.0 | 44.0 | 660 |
| 1A8C21  | 21 | 90.0 | 42.0 | 44.0 | 670 |
| 1A8C22  | 22 | 90.0 | 42.0 | 44.0 | 670 |



### 1"Dr. DOUBLE SQUARE IMPACT SOCKET DEEP LENGTH



| Item No | A  | L    | D1   | D2   | g   |
|---------|----|------|------|------|-----|
|         | mm | mm   | mm   | mm   |     |
| 1A9C17  | 17 | 76.0 | 40.0 | 54.0 | 680 |
| 1A9C19  | 19 | 76.0 | 43.0 | 54.0 | 700 |
| 1A9C20  | 20 | 76.0 | 45.0 | 54.0 | 720 |
| 1A9C21  | 21 | 76.0 | 47.0 | 54.0 | 740 |
| 1A9C22  | 22 | 76.0 | 47.0 | 54.0 | 740 |



#### 001024

Des: 10pcs 1"Dr. Wheel Service Set

Contents: 1"Dr. Budd Wheel Impact Socket

13/16"

1"Dr. Deep Impact Socket

33mm, 1-1/2"

1"Dr. Impact Socket

7/8", 15/16", 1", 1-3/16"

1"Dr. Thin Wall Deep Impact Socket

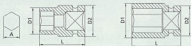
1-1/16", 1-1/8", 1-1/4"

A complete 1" drive set designed for servicing truck wheels.

Set contains a 13/16" square size for budd wheel inner cap nuts, a 1-1/2" outer budd nut size that has a controlled-depth hex end to help prevent contact with the wheel, a 33mm size for 10 hole hub piloted wheels, three (3) deep thin wall sizes, and other regular length impact sockets.



# 1"DR. THIN WALL IMPACT SOCKET FOR TRUCK



## 1"Dr. MIDDLE LENGTH IMPACT SOCKET

| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | g   |
|---------|---------|---------|----------|----------|-----|
| 189M22  | 22      | 75.0    | 36.0     | 54.0     | 750 |
| 189M24  | 24      | 75.0    | 38.5     | 54.0     | 750 |
| 189M27  | 27      | 75.0    | 42.3     | 54.0     | 750 |
| 189M30  | 30      | 80.0    | 45.0     | 54.0     | 750 |
| 189M32  | 32      | 80.0    | 48.0     | 54.0     | 750 |
| 189M33  | 33      | 80.0    | 49.0     | 54.0     | 770 |
| 189M35  | 35      | 80.0    | 52.0     | 54.0     | 780 |
| 189M36  | 36      | 80.0    | 53.0     | 54.0     | 790 |
| 189M38  | 38      | 80.0    | 55.0     | 54.0     | 800 |
| 189M41  | 41      | 80.0    | 59.0     | 54.0     | 820 |

SPECIALLY FOR

Front and rear axle wheels

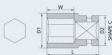
000720

Des: 1"Dr. Thin Wall Impact Socket For Truck

Contents: 30, 32, 33, 35, 36, 38, 41 mm



## 3/4"DR. IMPACT RAILROAD SOCKET



| Item No | A<br>mm | L<br>mm | D1<br>mm | D2<br>mm | W<br>mm | g   | SHAPE |
|---------|---------|---------|----------|----------|---------|-----|-------|
| 188R36  | 36      | 70      | 53       | 44       | 23      | 650 | C     |



## ACCESSORY

### SOCKET



### O-RING



### SOCKET



### LOCKING PIN



### O-RING

| Item No | Driver | D2<br>mm | D1<br>mm | d<br>mm |
|---------|--------|----------|----------|---------|
| 481901  | 1/2"   | 25       | 19       | 4       |
| 482404  | 1/2"   | 30       | 24       | 4       |
| 483204  | 1/2"   | 38       | 32       | 4       |
| 483804  | 1/2"   | 44       | 38       | 4       |
| 483205  | 3/4"   | 38       | 32       | 5       |
| 483505  | 3/4"   | 40-42    | 35       | 5       |
| 483805  | 3/4"   | 44       | 38       | 5       |
| 484805  | 3/4"   | 54       | 48       | 5       |
| 484307  | 1"     | 51-52    | 43       | 7       |
| 484607  | 1"     | 54       | 46       | 7       |
| 485007  | 1"     | 58       | 50       | 7       |
| 485407  | 1"     | 62       | 54       | 7       |
| 487807  | 1"     | 86       | 78       | 7       |
| 488707  | 1"     | 95       | 87       | 7       |
| 487610  | 1-1/2" | 86       | 76       | 10      |
| 488510  | 1-1/2" | 95       | 85       | 10      |
| 488510S | 2-1/2" | 127      | 115      | 10.5    |
| 48D010S | 2-1/2" | 152      | 140      | 10.5    |

### PIN

| Item No | Driver | D2<br>mm | L<br>mm | d<br>mm |
|---------|--------|----------|---------|---------|
| 451903  | 1/2"   | 25       | 19      | 3       |
| 452403  | 1/2"   | 30       | 24      | 3       |
| 453303  | 1/2"   | 38       | 33      | 3       |
| 453903  | 1/2"   | 44       | 39      | 3       |
| 453104  | 3/4"   | 38       | 31      | 4       |
| 453404  | 3/4"   | 40-42    | 34      | 4       |
| 453504  | 3/4"   | 44       | 35      | 4       |
| 454505  | 3/4"   | 54       | 45      | 5       |
| 454205  | 1"     | 51-52    | 42      | 5       |
| 454505  | 1"     | 54       | 45      | 5       |
| 454905  | 1"     | 58       | 49      | 5       |
| 455305  | 1"     | 62       | 53      | 5       |
| 457506  | 1"     | 86       | 75      | 6       |
| 458406  | 1"     | 95       | 81      | 6       |
| 457506  | 1-1/2" | 86       | 75      | 6       |
| 458406  | 1-1/2" | 95       | 84      | 6       |
| 458008  | 2-1/2" | 127      | 110     | 8       |
| 45D508  | 2-1/2" | 152      | 135     | 8       |