



United Kingdom Modern Gun Table

| 30mm | D | S | Pen. | 9 | 8 | 7 | 6 | 5 | 4 | | | | | |
|----------------|---|----|--------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|
| APDS | 8 | 14 | Range | 100 | 300 | 500 | 700 | 900 | 1000 | | | | | |
| When RoF is ac | | | To Hit | 1 ^{3.5.7} | 2 ^{4.6.} | 3 ^{5.7.} | 4 ^{6.8.} | 5 ^{7.9.} | 6 ^{8.10} | 7 ^{9.11} | 8 ^{10.12} | 9 ^{11.13} | 10 ¹² | 11 ¹³ |
| | | | Range | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 625 | 700 | 850 | 1000 |

| 30mm | D | S | Pen. | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | | | |
|----------------|---|----|--------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|
| APDSFS | 8 | 14 | Range | 100 | 250 | 400 | 550 | 700 | 850 | 1000 | 1200 | | | |
| When RoF is ac | | | To Hit | 1 ^{3.5.7} | 2 ^{4.6.} | 3 ^{5.7.} | 4 ^{6.8.} | 5 ^{7.9.} | 6 ^{8.10} | 7 ^{9.11} | 8 ^{10.12} | 9 ^{11.13} | 10 ¹² | 11 ¹³ |
| | | | Range | 275 | 325 | 375 | 400 | 450 | 500 | 550 | 650 | 750 | 900 | 1200 |

| 76mm L5,L23 | D | S | Pen. | 8 | D | S | 16 | D | S | 24 | D | S | | | |
|---------------|---|---|--------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-----------------|-----------------|------------------|------------------|--|
| HESH | 4 | 7 | Range | all | 4 | 7 | all | 7 | 9 | all | 10 | 11 | | | |
| When RoF is 7 | | | To Hit | 1 ^{5.9} | 2 ^{6.10} | 3 ^{7.11} | 4 ^{8.12} | 5 ^{9.13} | 6 ^{10.14} | 7 ^{11.15} | 8 ¹² | 9 ¹³ | 10 ¹⁴ | 11 ¹⁵ | |
| 1958 | | | Range | 150 | 225 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | |

| 17 pdr | D | S | Pen. | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 |
|---------------|---|----|--------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-----------------|-----------------|------------------|------------------|
| APDS (imp) | 7 | 11 | Range | 75 | 175 | 275 | 400 | 500 | 625 | 775 | 900 | 1025 | 1175 | 1200 |
| When RoF is 7 | | | To Hit | 1 ^{5.9} | 2 ^{6.10} | 3 ^{7.11} | 4 ^{8.12} | 5 ^{9.13} | 6 ^{10.14} | 7 ^{11.15} | 8 ¹² | 9 ¹³ | 10 ¹⁴ | 11 ¹⁵ |
| 1946 | | | Range | 275 | 375 | 450 | 525 | 575 | 625 | 675 | 750 | 850 | 1000 | 1200 |

| 20 pdr A | D | S | Pen. | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | |
|---------------|---|----|--------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-----------------|-----------------|------------------|------------------|--|
| APDS | 7 | 10 | Range | 75 | 175 | 275 | 375 | 500 | 625 | 725 | 875 | 1000 | 1150 | 1300 | |
| When RoF is 7 | | | To Hit | 1 ^{5.9} | 2 ^{6.10} | 3 ^{7.11} | 4 ^{8.12} | 5 ^{9.13} | 6 ^{10.14} | 7 ^{11.15} | 8 ¹² | 9 ¹³ | 10 ¹⁴ | 11 ¹⁵ | |
| 1951 | | | Range | 300 | 400 | 500 | 550 | 625 | 725 | 825 | 925 | 1000 | 1200 | 1300 | |

| 20 pdr B | D | S | Pen. | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | |
|---------------|---|----|--------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-----------------|-----------------|------------------|------------------|--|
| APDS | 7 | 10 | Range | 100 | 200 | 300 | 425 | 525 | 650 | 775 | 900 | 1050 | 1200 | 1350 | |
| When RoF is 7 | | | To Hit | 1 ^{5.9} | 2 ^{6.10} | 3 ^{7.11} | 4 ^{8.12} | 5 ^{9.13} | 6 ^{10.14} | 7 ^{11.15} | 8 ¹² | 9 ¹³ | 10 ¹⁴ | 11 ¹⁵ | |
| 1952 | | | Range | 300 | 400 | 500 | 550 | 625 | 725 | 825 | 925 | 1000 | 1200 | 1350 | |

| 105mm L7 | D | S | Pen. | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | |
|---------------|---|----|--------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|------------------|------|------|------|--|
| APDS (L28) | 6 | 10 | Range | 75 | 175 | 275 | 400 | 500 | 625 | 750 | 875 | 1000 | 1150 | 1300 | 1475 | 1625 | |
| When RoF is 6 | | | To Hit | 1 ^{6.11} | 2 ^{7.12} | 3 ^{8.13} | 4 ^{9.14} | 5 ^{10.15} | 6 ¹¹ | 7 ¹² | 8 ¹³ | 9 ¹⁴ | 10 ¹⁵ | 11 | | | |
| 1958 | | | Range | 300 | 400 | 525 | 625 | 750 | 875 | 1000 | 1100 | 1250 | 1450 | 1600 | | | |

| 105mm L7 | D | S | Pen. | 10 | D | S | 20 | D | S | 30 | D | S | 40 | D | S | | |
|---------------|---|---|--------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|------------------|------|------|------|------|
| HESH | 3 | 6 | Range | all | 3 | 6 | all | 6 | 8 | all | 9 | 11 | all | 12 | 14 | | |
| When RoF is 6 | | | To Hit | 1 ^{6.11} | 2 ^{7.12} | 3 ^{8.13} | 4 ^{9.14} | 5 ^{10.15} | 6 ¹¹ | 7 ¹² | 8 ¹³ | 9 ¹⁴ | 10 ¹⁵ | 11 | 12 | 13 | 14 |
| | | | Range | 200 | 275 | 325 | 400 | 500 | 700 | 875 | 975 | 1175 | 1400 | 1500 | 1750 | 2000 | 2500 |

| 105mm L7 | D | S | Pen. | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 |
|---------------|---|----|--------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|------------------|------|------|------|
| APDS (L52) | 6 | 10 | Range | 50 | 150 | 250 | 350 | 450 | 575 | 700 | 825 | 950 | 1100 | 1225 | 1400 | 1550 |
| When RoF is 6 | | | To Hit | 1 ^{6.11} | 2 ^{7.12} | 3 ^{8.13} | 4 ^{9.14} | 5 ^{10.15} | 6 ¹¹ | 7 ¹² | 8 ¹³ | 9 ¹⁴ | 10 ¹⁵ | 11 | | |
| 1973 | | | Range | 300 | 400 | 525 | 625 | 750 | 875 | 1000 | 1100 | 1250 | 1450 | 1600 | | |

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|---------------|---|---|--------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|------------------|------|------|------|------|------|------|------|--|
| 105mm L7 | D | S | Pen. | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | |
| APDSFS (L64) | 5 | 9 | Range | 25 | 100 | 200 | 300 | 375 | 475 | 600 | 700 | 825 | 950 | 1075 | 1200 | 1375 | 1475 | 1625 | 1800 | 1950 | |
| When RoF is 6 | | | To Hit | 1 ^{6.11} | 2 ^{7.12} | 3 ^{8.13} | 4 ^{9.14} | 5 ^{10.15} | 6 ¹¹ | 7 ¹² | 8 ¹³ | 9 ¹⁴ | 10 ¹⁵ | 11 | | | | | | | |
| 1984 | | | Range | 300 | 400 | 550 | 650 | 775 | 900 | 1050 | 1175 | 1325 | 1475 | 1650 | | | | | | | |

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|---------------|---|---|--------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|------|------|------|------|------|------|--|--|
| 120mm L11A5 | D | S | Pen. | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | | |
| APDS (L15) | 5 | 9 | Range | 50 | 125 | 225 | 300 | 400 | 500 | 600 | 700 | 825 | 925 | 1050 | 1175 | 1325 | 1450 | 1600 | | |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | 11 | | | | | | |
| 1962 | | | Range | 300 | 400 | 550 | 650 | 775 | 900 | 1050 | 1175 | 1375 | 1475 | 1650 | | | | | | |
| 120mm L11A5 | D | S | Pen. | 12 | D | S | 24 | D | S | 36 | D | S | 48 | D | S | 60 | D | S | | |
| HESH (L31) | 2 | 5 | Range | all | 2 | 5 | all | 5 | 7 | all | 8 | 9 | all | 11 | 11 | all | 14 | 13 | | |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | 11 | 12 | 13 | 14 | | | |
| 1962 | | | Range | 225 | 300 | 350 | 450 | 550 | 750 | 900 | 1000 | 1200 | 1400 | 1500 | 1800 | 2050 | 2500 | | | |

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|---------------|---|---|--------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|------|------|------|------|------|------|------|------|
| 120mm L11A5 | D | S | Pen. | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 |
| APDSFS (L23) | 5 | 9 | Range | 25 | 100 | 175 | 250 | 350 | 425 | 525 | 625 | 725 | 825 | 950 | 1050 | 1175 | 1300 | 1425 | 1575 | 1700 |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | 11 | | | | | | |
| 1983 | | | Range | 300 | 400 | 550 | 650 | 800 | 950 | 1100 | 1250 | 1450 | 1575 | 1750 | | | | | | |

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|----------------|---|---|--------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|------|------|------|------|------|------|------|------|
| 120mm L11A5 | D | S | Pen. | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 |
| APDSFS (L23A1) | 5 | 9 | Range | 25 | 100 | 200 | 275 | 375 | 450 | 550 | 650 | 750 | 875 | 975 | 1100 | 1225 | 1350 | 1475 | 1625 | 1775 |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | 11 | | | | | | |
| 1988 | | | Range | 300 | 400 | 550 | 650 | 800 | 950 | 1100 | 1250 | 1450 | 1575 | 1750 | | | | | | |

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|---------------|---|---|--------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|------|------|------|------|------|------|------|------|
| 120mm L30 | D | S | Pen. | 68 | 67 | 66 | 65 | 64 | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 |
| APDSFS (L26) | 5 | 9 | Range | 75 | 150 | 250 | 325 | 425 | 525 | 625 | 725 | 825 | 950 | 1050 | 1175 | 1300 | 1450 | 1575 | 1725 | 1875 |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | | | | | | | |
| 1994 | | | Range | 325 | 425 | 575 | 675 | 775 | 900 | 1050 | 1250 | 1500 | 2000 | | | | | | | |
| 120mm L30 | D | S | Pen. | 12 | D | S | 24 | D | S | 36 | D | S | 48 | D | S | 60 | D | S | | |
| HESH (L31) | 2 | 5 | Range | all | 2 | 5 | all | 5 | 7 | all | 8 | 9 | all | 11 | 11 | all | 14 | 13 | | |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | 11 | 12 | 13 | 14 | | | |
| 1994 | | | Range | 225 | 300 | 350 | 450 | 550 | 750 | 900 | 1000 | 1200 | 1400 | 1500 | 1800 | 2050 | 2500 | | | |

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|---------------|---|---|--------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|------|------|------|------|------|------|------|------|
| 120mm L30 | D | S | Pen. | 77 | 76 | 75 | 74 | 73 | 70 | 69 | 68 | 67 | 66 | 65 | 64 | 63 | 62 | 61 | 60 | 59 |
| APDSFS (L27) | 5 | 9 | Range | 50 | 150 | 250 | 350 | 450 | 550 | 675 | 775 | 900 | 1025 | 1175 | 1300 | 1325 | 1625 | 1775 | 1950 | 2000 |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | | | | | | | |
| 1997 | | | Range | 325 | 425 | 575 | 675 | 775 | 900 | 1050 | 1250 | 1500 | 2000 | | | | | | | |

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|----------------|---|---|--------|-------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|------|------|------|------|------|------|------|------|
| 120mm L30 | D | S | Pen. | 80 | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 72 | 71 | 70 | 69 | 68 | 67 | 66 | 65 | 64 |
| APDSFS (L27A1) | 5 | 9 | Range | 50 | 150 | 250 | 350 | 450 | 550 | 675 | 775 | 900 | 1025 | 1175 | 1300 | 1325 | 1625 | 1775 | 1950 | 2000 |
| When RoF is 5 | | | To Hit | 1 ^{7.13} | 2 ^{9.14} | 3 ^{10.15} | 4 ¹¹ | 5 ¹² | 6 ¹³ | 7 ¹⁴ | 8 ¹⁵ | 9 | 10 | | | | | | | |
| 1999 | | | Range | 325 | 425 | 575 | 675 | 775 | 900 | 1050 | 1250 | 1500 | 2000 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|--------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|-----|-----|-----|-----|-----|----|-----|----|----|--|--|
| 165mm Demo | D | S | Pen. | 15 | D | S | 30 | D | S | 45 | D | S | 60 | D | S | 75 | D | S | | |
| HESH | 2 | 4 | Range | all | 2 | 4 | all | 5 | 6 | all | 8 | 8 | all | 11 | 10 | all | 14 | 12 | | |
| When RoF is 2 | | | To Hit | 1 ¹¹ | 2 ¹² | 3 ¹³ | 4 ¹⁴ | 5 ¹⁵ | 6 | 7 | 8 | 9 | 10 | 11 | | | | | | |
| 1958 | | | Range | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 700 | | | | | | |