

CLIMB/DESCENT TABLE 10042

INSTRUMENT TAKEOFF OR APPROACH PROCEDURE CHARTS RATE OF CLIMB/DESCENT TABLE

(ft. per min)

A rate of climb/descent table is provided for use in planning and executing climbs or descents under known or approximate ground speed conditions. It will be especially useful for approaches when the localizer only is used for course guidance. A best speed, power, altitude combination can be programmed which will result in a stable glide rate and altitude favorable for executing a landing if minimums exist upon breakout. Care should always be exercised so that minimum descent altitude and missed approach point are not exceeded.

| CLIMB/ DESCENT ANGLE (degrees and tenths) | ft/NM | GROUND SPEED (knots) | | | | | | | | | | | |
|---|-------|----------------------|------|------|------|------|------|------|------|------|------|------|------|
| | | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | |
| 2.0 | 210 | 210 | 320 | 425 | 530 | 635 | 743 | 850 | 955 | 1060 | 1165 | 1275 | |
| 2.5 | 265 | 265 | 400 | 530 | 665 | 795 | 930 | 1060 | 1195 | 1325 | 1460 | 1590 | |
| V E R T I C A L P A T H A N G L E | 2.7 | 287 | 287 | 430 | 574 | 717 | 860 | 1003 | 1147 | 1290 | 1433 | 1576 | 1720 |
| | 2.8 | 297 | 297 | 446 | 595 | 743 | 892 | 1041 | 1189 | 1338 | 1486 | 1635 | 1783 |
| | 2.9 | 308 | 308 | 462 | 616 | 770 | 924 | 1078 | 1232 | 1386 | 1539 | 1693 | 1847 |
| | 3.0 | 318 | 318 | 478 | 637 | 797 | 956 | 1115 | 1274 | 1433 | 1593 | 1752 | 1911 |
| | 3.1 | 329 | 329 | 494 | 659 | 823 | 988 | 1152 | 1317 | 1481 | 1646 | 1810 | 1975 |
| | 3.2 | 340 | 340 | 510 | 680 | 850 | 1020 | 1189 | 1359 | 1529 | 1699 | 1869 | 2039 |
| | 3.3 | 350 | 350 | 526 | 701 | 876 | 1052 | 1227 | 1402 | 1577 | 1752 | 1927 | 2103 |
| | 3.4 | 361 | 361 | 542 | 722 | 903 | 1083 | 1264 | 1444 | 1625 | 1805 | 1986 | 2166 |
| 3.5 | 370 | 370 | 555 | 745 | 930 | 1115 | 1300 | 1485 | 1670 | 1860 | 2045 | 2230 | |
| 4.0 | 425 | 425 | 640 | 850 | 1065 | 1275 | 1490 | 1700 | 1915 | 2125 | 2340 | 2550 | |
| 4.5 | 480 | 480 | 715 | 955 | 1195 | 1435 | 1675 | 1915 | 2150 | 2390 | 2630 | 2870 | |
| 5.0 | 530 | 530 | 795 | 1065 | 1330 | 1595 | 1860 | 2125 | 2390 | 2660 | 2925 | 3190 | |
| 5.5 | 585 | 585 | 880 | 1170 | 1465 | 1755 | 2050 | 2340 | 2635 | 2925 | 3220 | 3510 | |
| 6.0 | 640 | 640 | 960 | 1275 | 1595 | 1915 | 2235 | 2555 | 2875 | 3195 | 3510 | 3830 | |
| 6.5 | 690 | 690 | 1040 | 1385 | 1730 | 2075 | 2425 | 2770 | 3115 | 3460 | 3805 | 4155 | |
| 7.0 | 745 | 745 | 1120 | 1490 | 1865 | 2240 | 2610 | 2985 | 3355 | 3730 | 4105 | 4475 | |
| 7.5 | 800 | 800 | 1200 | 1600 | 2000 | 2400 | 2800 | 3200 | 3600 | 4000 | 4400 | 4800 | |
| 8.0 | 855 | 855 | 1280 | 1710 | 2135 | 2560 | 2990 | 3415 | 3845 | 4270 | 4695 | 5125 | |
| 8.5 | 910 | 910 | 1360 | 1815 | 2270 | 2725 | 3180 | 3630 | 4085 | 4540 | 4995 | 5450 | |
| 9.0 | 960 | 960 | 1445 | 1925 | 2405 | 2885 | 3370 | 3850 | 4330 | 4810 | 5295 | 5775 | |
| 9.5 | 1015 | 1015 | 1525 | 2035 | 2540 | 3050 | 3560 | 4065 | 4575 | 5085 | 5590 | 6100 | |
| 10.0 | 1070 | 1070 | 1605 | 2145 | 2680 | 3215 | 3750 | 4285 | 4820 | 5355 | 5890 | 6430 | |

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