

BSAC '88 DECOMPRESSION TABLES

Levels 1 to 4

Users of the BSAC '88 Tables are reminded that participating in sport diving involves exposure to the risk of decompression illness. Since that exposure is affected by a number of factors, including some over which the diver has no control, the authors and publishers of the BSAC '88 Tables cannot guarantee risk-free diving to any user. Moreover, failure to adhere strictly to the Tables and the prescribed procedures for their use will necessarily increase any risk to which a user might otherwise be exposed.

Copyright © British Sub-Aqua Club 1989, 1990 & 2007.
All rights reserved. No part of this work may be reproduced, stored in a retrieval system, or transmitted in any way or by any means, including photocopying or recording, without the written permission of the British Sub-Aqua Club. The British Sub-Aqua Club, BSAC International Limited and Dr T. R. Hennessy disclaim any and all responsibilities for the use of these Tables and procedures.

DEFINITIONS USED IN THE BSAC'88 DECOMPRESSION TABLES

ASCENT CHECK DEPTH

A point reached during the ascent where DIVE TIME is checked against the dive plan and appropriate decompression procedures are initiated. This depth may be 9m or 6m if the planned dive involves in-water decompression stops or 6m (5m for LEVEL 4) for NO-STOP DIVES.

ASCENT RATE

The speed at which the diver ascends through the water. The maximum permissible rate is 15m/minute up to 6m (5m for LEVEL 4). On all dives, one minute should be taken to ascend from 6m (5m for LEVEL 4) to the surface.

ASCENT TIME

The time elapsed from leaving the bottom (assumed to be at the maximum depth of the dive) to arriving at 6m (5m for LEVEL 4). It is calculated at a rate of 15m/minute, rounded up to the nearest minute and does not include in-water decompression stops.

ATMOSPHERIC PRESSURE

The local atmospheric pressure produced at a particular altitude by current weather conditions. A chart is provided to assist in appropriate LEVEL selection.

CURRENT TISSUE CODE

The code produced by applying a SURFACE INTERVAL (and a TRANSFER TABLE conversion if necessary) to your last dive SURFACING CODE. It indicates the Table on which the diver can now dive.

DECOMPRESSION STOP

The time to be actually spent at the in-water decompression stop depth indicated by the relevant table.

DECOMPRESSION STOP DIVE

A dive for which the Table indicates the need for a DECOMPRESSION STOP or DECOMPRESSION STOPS to be carried out. A dive with a SURFACING CODE of G (a few G code dives do not require an in-water decompression stop).

DEPTH

The maximum depth reached during the dive, measured in metres.

DESCENT RATE

The speed at which the diver descends, a maximum rate of 30m/minute is allowed.

DIVE TIME

The time elapsed from leaving the surface to reaching 6m (5m for LEVEL 4) on the return to the surface. In the case of multiple-stop dives, the time from leaving the surface to arriving at the deepest stop on the return to the surface.

LAST LEVEL

The last ATMOSPHERIC PRESSURE Level dived at or experienced.

LEVEL

A range of ATMOSPHERIC PRESSURES covered by a particular set of Tables.

NEW LEVEL

The ATMOSPHERIC PRESSURE Level at which a new TISSUE CODE is required.

NO-STOP DIVE

A dive for which the Table indicates no need for an in-water decompression stop.

SURFACING CODE

The code describing the diver's tissue saturation state on surfacing from a dive.

SURFACE INTERVAL

The time elapsed from surfacing at the end of one dive to leaving the surface at the beginning of the following dive.

TRANSFER TABLE

A table enabling a new CURRENT TISSUE CODE to be obtained following increases or decreases in the ATMOSPHERIC PRESSURE experienced.

USING THE BSAC '88 DECOMPRESSION TABLES

INTRODUCTION

The BSAC '88 Decompression Tables incorporate new thinking on the avoidance of Decompression Illness and promote safer dive practices, particularly by encouraging slow, controlled ascent procedures. The complete Tables consist of four ATMOSPHERIC PRESSURE LEVEL sets and a TRANSFER TABLE to move between the four Levels. Each Level set has seven TABLES labelled A to G and a SURFACE INTERVAL TABLE. In order to check the Level appropriate to a particular dive site or journey with altitude changes, an Altitude/Atmospheric Pressure Chart is included. A submersible Dive Conduct Slate is provided for in-water dive control with a selection of common sea level dives on the reverse.

STARTING A SERIES OF DIVES

In order to plan a dive your CURRENT TISSUE CODE must be determined. This depends on your previous exposure to pressure. If no dives or changes in ATMOSPHERIC PRESSURE have occurred in the last 16 hours (10 hours at Levels 2, 3 or 4), you are considered to have a CURRENT TISSUE CODE of A and will use TABLE A for that Level. Should you have dived or experienced changes in ATMOSPHERIC PRESSURE within this period, the procedures for planning second or subsequent dives, or for altitude changes, should be followed.

PLANNING A DIVE

Find the Table corresponding to your CURRENT TISSUE CODE and ATMOSPHERIC PRESSURE LEVEL. Look down the DEPTH column to the maximum depth you intend to reach during your dive. If that depth is not shown then choose the next deeper depth. The DIVE TIME section gives a range of times. Look along the target depth row to find the time which is equal to or next greater than your planned DIVE TIME. If your DIVE TIME is to the left of the No-stop line then no decompression stops are required. Otherwise multiple stops will be required as part of the ascent and these are indicated in the DECOMPRESSION STOP section below. Look down the chosen time column to find the time and depth of the required stops. Below this section you will find the SURFACING CODE section and you should note the SURFACING CODE for the planned dive.

PLANNING A SECOND DIVE

Following any dive always verify that the SURFACING CODE planned was achieved. Knowing the elapsed SURFACE INTERVAL since the first dive, use the SURFACE INTERVAL table for the *current* Level to obtain your CURRENT TISSUE CODE. This code gives the Table on which your second dive is to be planned and it should be used as outlined in **PLANNING A DIVE** above. If a change in ATMOSPHERIC PRESSURE occurs then the procedures for changing Level should be followed.

Note *there is one SURFACE INTERVAL TABLE for Level 1 and another SURFACE INTERVAL TABLE for Levels 2, 3 and 4.*

PLANNING SUBSEQUENT DIVES

Subsequent dives are planned in exactly the manner of a second dive. Use the SURFACING CODE of your previous dive, SURFACE INTERVAL TABLE and Level change as appropriate to obtain your CURRENT TISSUE CODE. This CURRENT TISSUE CODE then indicates which Table should be used for dive planning.

ATMOSPHERIC PRESSURE CHANGES

Any changes in altitude or local atmospheric pressure affect the gas saturation of your body tissues. It is this saturation that determines which Level set of Tables should be used. Significant changes can be caused by flying in pressurised or unpressurised aircraft, travelling through hilly or mountainous country or extreme changes in weather. Local ATMOSPHERIC PRESSURE is affected by both air pressure variations (due to current weather conditions) and altitude. A chart is provided to select the appropriate Level set of Tables, knowing altitude and forecast air pressure at sea level (from a weather forecast). In cases of doubt, always choose a more punitive Level Table set.

If you have moved, or are going to move from one Level to another the TRANSFER TABLE should be used to track your CURRENT TISSUE CODE. To enter the TRANSFER TABLE your CURRENT TISSUE CODE must be known. This may be given by a previous dive SURFACING CODE and SURFACE INTERVAL, may be a CURRENT TISSUE CODE of A obtained from an adequate period of stable pressure conditions at a particular Level, or may be the result of a transition through various levels during a journey.

continued....

USING THE BSAC '88 DECOMPRESSION TABLES

Knowing your initial CURRENT TISSUE CODE and LAST LEVEL, the left hand column of the TRANSFER TABLE can be entered and a Level row chosen. Moving to the right your new CURRENT TISSUE CODE is found in the appropriate NEW LEVEL column. Always choose the more conservative code in borderline cases. If no code is given (X is found), then it is not considered safe to transfer to that NEW LEVEL until further decompression has occurred at the LAST LEVEL and a CURRENT TISSUE CODE that produces a transferable code is reached. The new CURRENT TISSUE CODE is used to indicate the Table to be used for diving at the NEW LEVEL. It is also used when applying the SURFACE INTERVAL TABLE for that Level. The derivation model for the '88 Tables assumes ascents are provocative events and thus penalises subsequent dives. The TRANSFER TABLE assumes instantaneous transfer to the NEW LEVEL, a situation that copes with aircraft or other fairly rapid ascents and descents. On overland journeys where specific times at particular Levels cannot be clearly defined, a worst case solution is advised. This means presuming immediate transfer to the NEW LEVEL, followed by giving no benefit for any SURFACE INTERVAL at that Level before further Level changes are tracked.

Note that the Level 1 Table set cannot be used for sea level dives when the atmospheric pressure falls below 985mb.

LEVEL CHANGES BEFORE AND AFTER DIVING

Establish your CURRENT TISSUE CODE at the time of your intended departure from your present Level. Then find from the TRANSFER TABLE your CURRENT TISSUE CODE at the NEW LEVEL. Check that this procedure results in a valid code (A to G) and not X. If X is shown then it is unsafe to change Level until further decompression has taken place at your current Level. Do not ascend from this Level until you can achieve a valid CURRENT TISSUE CODE. Time spent at the NEW LEVEL is used as a SURFACE INTERVAL to track your CURRENT TISSUE CODE at this Level.

Your updated CURRENT TISSUE CODE is then used to indicate the Table to be used for diving at the NEW LEVEL, or as the starting information for further Level changes.

Note that diving at sea level (Level 1) after flights of less than 90 minutes in pressurised aircraft (Level 4) requires Table B (Level 1) to be used, unless a SURFACE INTERVAL of at least 10 hours at Level 1 has elapsed after landing.

Note also that flying in a pressurised aircraft following a sea level dive demands a CURRENT TISSUE CODE of A or B (Level 1).

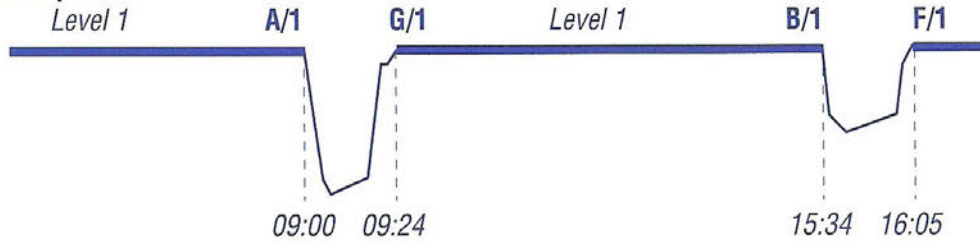
Other situations should be resolved using the procedures described earlier in the **ATMOSPHERIC PRESSURE CHANGES** section.

SAFER DIVING

Because of the wide variations in human physiology and the large number of factors that can affect your susceptibility to decompression illness, no Table can guarantee to protect you against all risk. Whenever diving, please take the following advice into account.

- 1 The maximum recommended depth for sports diving is 50m and when carrying out two or more dives in one day, perform the deepest dive first.
- 2 It is recommended that no more than 3 dives be performed in any 24 hours and any dive series involving consecutive days diving to 30m+ should be limited to four days, after which a 24-hour break should be taken.
- 3 It is advisable to limit any diving within a 24-hour period to dives requiring a total of 20 min decompression stops.
- 4 Always be in control of your buoyancy, especially during the ascent, and observe the maximum recommended speeds—15m/min to 6m and then 1 min to the surface.
- 5 It is permissible to conduct slower descents and ascents, whilst remaining within the dive profile envelope but multiple 'sawtooth' ascents and descents should be avoided.
- 6 Be aware that smoking, alcohol consumption, tiredness, age, increased body fat and any medical condition affecting the respiratory or circulatory systems are thought to increase your risk of decompression illness. So too can excessive physical exertion during or immediately after a dive.

Example 1



Acclimatised at Level 1 (no dives or Level changes within previous 16 hrs), with a CURRENT TISSUE CODE of A/1*, so Table A/1 is used. Planned dive is to maximum depth of 35m and back at 6m after 22 min Dive Time. Allowing 2 min for ascent, leave bottom at 20min. **TABLE A/1**

A stop of 1 min at 6m is required, followed by a slow surfacing ascent taking a further 1 min. **TABLE A/1**

This dive results in a SURFACING CODE of G/1 at 09:24. **TABLE A/1**

After a SURFACE INTERVAL of 6hr 10min a second dive is planned to 17m. **SURFACE INTERVAL TABLE LEVEL 1**

This dive starts with a CURRENT TISSUE CODE of B/1 so Table B/1 is used and a Dive Time of 30 min chosen. The ASCENT CHECK DEPTH of 6m is reached at 16:04 and a further 1 min is then taken to reach the surface at 16:05, with a SURFACING CODE of F/1. **TABLE B/1**

*A/1 signifies a CURRENT TISSUE CODE of A at LEVEL 1.

Example 2

Air pressure 980mb (Level 2)



A low pressure weather system of 980mb at sea level means Level 2 Tables should be used. **ALTITUDE/ATMOSPHERIC PRESSURE CHART**

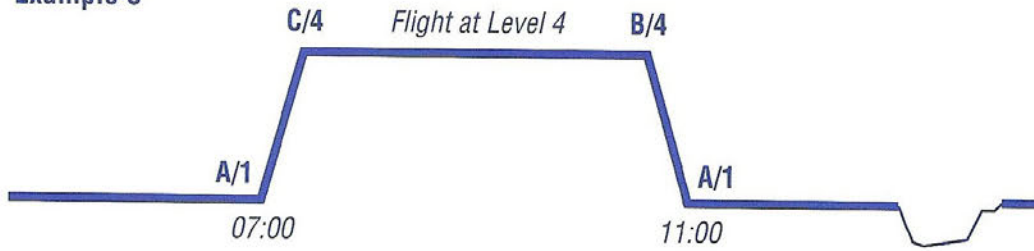
Starting with a CURRENT TISSUE CODE of A/1 a transition to Level 2 gives a CURRENT TISSUE CODE of B/2. **TRANSFER TABLE**

If the low pressure has been experienced for more than 5 hrs then the CURRENT TISSUE CODE becomes A/2 and Table A/2 can be used for dive planning. **SURFACE INTERVAL TABLE LEVELS 2, 3 or 4**

A dive to 28m with a Dive Time of 20min demands a 1 min stop at 6m and gives a SURFACING CODE of G/2. **TABLE A/2**

Note that inland dive sites above sea level can need Level transitions for even mild low pressure systems—check the site altitude, forecast air pressure and use the ALTITUDE/ATMOSPHERIC PRESSURE CHART.

Example 3



Acclimatised at Level 1, start flight with CURRENT TISSUE CODE of A/1 at 07.00. In the aircraft, cabin pressure of Level 4, CURRENT TISSUE CODE becomes C/4.

TRANSFER TABLE

After 4 hr flight CURRENT TISSUE CODE IS B/4

SURFACE INTERVAL TABLE LEVELS 2, 3 or 4

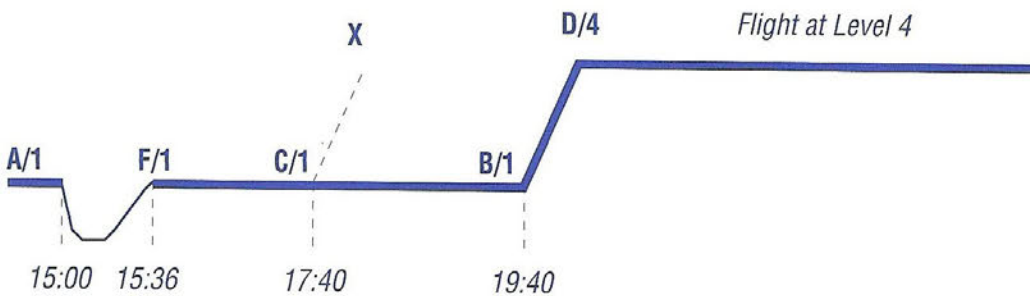
On landing CURRENT TISSUE CODE becomes A/1.

TRANSFER TABLE

Use Table A/1 for next Level dive.

Note shorter flights can result in CURRENT TISSUE CODE being B/1 on landing.

Example 4



Dive at Level 1 with Tissue Code A/1, 20m for 35 min Dive Time.
SURFACING CODE F/1 at 15:36

TABLE A/1

After SURFACE INTERVAL of 2 hr 4 min CURRENT TISSUE CODE is C/1.

SURFACE INTERVAL TABLE LEVEL 1

Planned take-off at 17:40 but Transfer Table to Level 4 gives **X**—no valid code!

TRANSFER TABLE

Wait *at least* for SURFACE INTERVAL of 4 hr before take-off, when CURRENT TISSUE CODE is B/1.

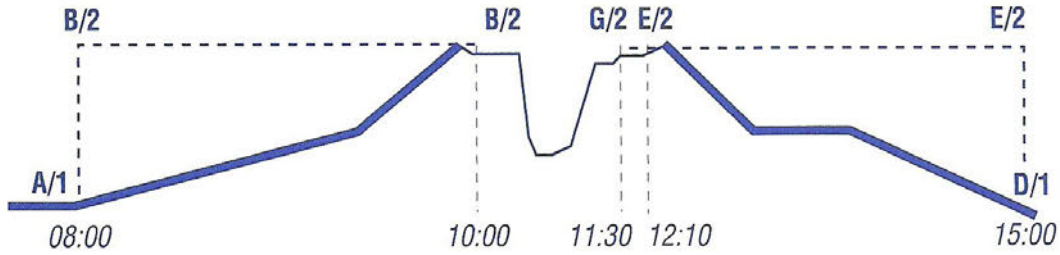
SURFACE INTERVAL TABLE LEVEL 1

Then CURRENT TISSUE CODE will be D/4 at Level 4, aircraft cabin pressure.

TRANSFER TABLE

Note before flying in unpressurised aircraft after diving check with the ALTITUDE/ATMOSPHERIC PRESSURE CHART and the Transfer Table the CURRENT TISSUE CODES the flight may produce.

Example 5



Start overland journey at Level 1 with Tissue Code A/1. Ascent is gradual and exact Level transitions difficult to predict so assume worst case of instantaneous transition to highest journey point, Level 2, at start giving CURRENT TISSUE CODE of B/2. **TRANSFER TABLE**

As time at Level 2 is unknown during journey and ascents are provocative events, penalise by giving no SURFACE INTERVAL credit—hold CURRENT TISSUE CODE at B/2 until arrival at dive site. Dive site is also at Level 2 so no further Level transfer required and SURFACE INTERVAL can now be applied. However, minimum of 5 hr stay required before relaxing to CURRENT TISSUE CODE of A/2. Too long to wait, so dive is made using Table B/2. **SURFACE INTERVAL TABLE LEVELS 2, 3 or 4**

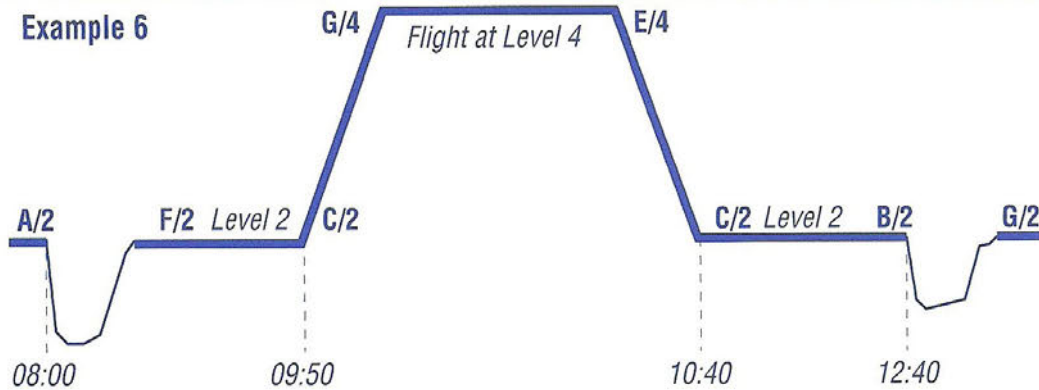
Following dive, CURRENT TISSUE CODE is G2. **TABLE B/2**

After 40 min SURFACE INTERVAL journey back starts with a CURRENT TISSUE CODE of E/2. **SURFACE INTERVAL TABLE LEVELS 2, 3 or 4**

Again assume instantaneous transition but hold the CURRENT TISSUE CODE of E/2 until known arrival at Level 1, giving CURRENT TISSUE CODE of D/1. **TRANSFER TABLE**

This CURRENT TISSUE CODE can be applied to the Level 1 SURFACE INTERVAL TABLE to plan any further dives in this series.

Example 6



Dive at Level 2 with Tissue Code A/2, 30m for 15 min Dive Time. SURFACING CODE of F/2 at 08:16. **TABLE A/2**

After SURFACE INTERVAL of 94 min, take-off 09:50 with CURRENT TISSUE CODE of C/2. **SURFACE INTERVAL TABLE LEVELS 2, 3 or 4**

In aircraft cabin pressure of Level 4, CURRENT TISSUE CODE of G/4. **TRANSFER TABLE**

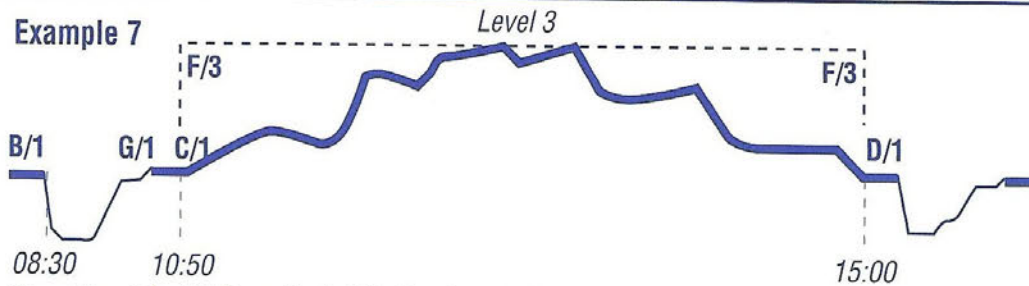
After 50 min flight, CURRENT TISSUE CODE of E/4. **SURFACE INTERVAL TABLE LEVELS 2, 3 or 4**

On landing CURRENT TISSUE CODE of C/2. **TRANSFER TABLE**

Second dive at 12:40, after SURFACE INTERVAL of 2 hr, CURRENT TISSUE CODE of B/2. **SURFACE INTERVAL TABLE LEVELS 2, 3 or 4**

19m for DIVE TIME 20 min needs 1 min at 6m stop, gives SURFACING CODE of G/2 at 13:02. **TABLE B/2**

Example 7



Dive at Level 1 with Tissue Code B/1, 18m for 43 min Dive Time.
SURFACING CODE G/1 at 09:15.

TABLE B/1

After SURFACE INTERVAL of 95 min, CURRENT TISSUE CODE is C/1.

SURFACE INTERVAL TABLE LEVEL 1

Overland journey home involves ascent to 900m but weather forecast of 990mb indicates the need to use Level 3.

ALTITUDE/ATMOSPHERIC PRESSURE CHART

Ascent is gradual and exact Level Transitions difficult to predict so assume worst case of instantaneous transition at journey start.

Journey peaks with CURRENT TISSUE CODE of F/3

TRANSFER TABLE

As time at Levels 2 and 3 is unknown and ascents are provocative, penalise by giving no SURFACE INTERVAL credit—hold CURRENT TISSUE CODE at F/3.

At end of journey assume instantaneous Level 3 to Level 1 transition giving CURRENT TISSUE CODE of D/1 to use if further dives are planned.

TRANSFER TABLE

Note this is a worst case treatment of a situation because journey details are imprecise and accurate Level transitions unknown. In all cases of doubt the greater penalty should be assumed.

Using the Dive Conduct Slate

Correct usage of the BSAC '88 Tables minimises decision making at depth, with the concept of Dive Time being measured up to arrival at the ASCENT CHECK DEPTH. This means important checks and decisions should be made in relatively shallow and comfortable conditions. As always, to aid all underwater decision making, it is important that as much planning as possible takes place before the dive. The Dive Conduct Slate is designed to help in that process by providing a quick reminder of the planned dive and a number of contingency guidelines should things not go to plan.

Each dive has its own special requirements but on many the following contingencies are appropriate—a dive where the planned time is just exceeded—a dive where the planned maximum depth is just exceeded—a worst case where both are exceeded. For example when a plan to dive on the top of a wreck fails and the sea-bed is reached instead.

| | | IN-WATER STOPS | | | | | | |
|-------------|--------------------|----------------|--------------------|------|--------------------|------|--------------------|------|
| | DEPTH | DIVE TIME | DEPTH ¹ | TIME | DEPTH ² | TIME | DEPTH ³ | TIME |
| PLAN | | | | | | | | |
| JUST LONGER | | | | | | | | |
| JUST DEEPER | | | | | | | | |
| WORST CASE | | | | | | | | |
| | ASCENT CHECK DEPTH | | | | | | | |

LEVEL 1 (greater than 984 millibar)
TABLE A

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | – 166 ∞ | | | | | | | | | | | | |
| 6 | (1) | – 36 166 593 ∞ | | | | | | | | | | | | |
| 9 | 1 | – 17 | 67 | 167 | 203 | 243 | 311 | 328 | 336 | 348 | 356 | 363 | 370 | 376 |
| 12 | 1 | – 10 | 37 | 87 | 104 | 122 | 156 | 169 | 177 | 183 | 188 | 192 | 197 | 201 |
| 15 | 1 | – 6 | 24 | 54 | 64 | 74 | 98 | 109 | 116 | 121 | 125 | 129 | 133 | 136 |
| 18 | 1 | – 17 | 37 | 44 | 51 | | 68 | 78 | 84 | 88 | 92 | 95 | 98 | 101 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 21 | 1 | – 13 | 28 | 32 | 37 | | 51 | 59 | 65 | 68 | 72 | 75 | 77 | |
| 24 | 2 | – 11 | 22 | 26 | 30 | | 41 | 49 | 53 | 56 | 59 | 62 | 64 | |
| 27 | 2 | – 8 | 18 | 21 | 24 | | 34 | 41 | 45 | 47 | 50 | 52 | 55 | |
| 30 | 2 | – 7 | 15 | 17 | 20 | | 29 | 35 | 39 | 41 | 43 | 45 | 47 | |
| 33 | 2 | – 13 | 15 | 17 | | | 25 | 30 | 34 | 36 | 38 | 40 | 42 | |
| 36 | 2 | – 11 | 12 | 14 | | | 22 | 27 | 30 | 32 | 34 | 36 | 37 | |
| 39 | 3 | – 10 | 12 | 13 | | | 20 | 25 | 29 | 30 | 32 | 33 | 35 | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | 1 | 1 | 1 | 1 | 2 | |
| at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 42 | 3 | – 9 | 10 | 12 | | | 21 | 23 | 26 | 28 | 29 | 31 | 32 | |
| 45 | 3 | – 8 | 9 | 10 | | | 19 | 22 | 24 | 26 | 27 | 28 | 30 | |
| 48 | 3 | – 8 | 9 | | | | 18 | 21 | 23 | 24 | 25 | 26 | 28 | |
| 51 | 3 | – 8 | | | | | 17 | 19 | 21 | 22 | 24 | 25 | 26 | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | 1 | 1 | 1 | 2 | 2 | 3 | |
| at 6 metres | | | | | | | 2 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

**LEVEL 1 (greater than 984 millibar)
TABLE B**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | | | | | | | |
|--|------------------|------------------|----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | | | | | | | | | |
| 3 | (1) | - | ∞ | | | | | | | | | | | | | | | | | | |
| 6 | (1) | - | 80 | 504 | ∞ | | | | | | | | | | | | | | | | |
| 9 | 1 | - | 27 | 113 | 148 | 188 | 255 | 272 | 284 | 292 | 300 | 307 | 314 | 321 | | | | | | | |
| 12 | 1 | - | 14 | 52 | 67 | 84 | 116 | 129 | 137 | 143 | 148 | 152 | 156 | 160 | | | | | | | |
| 15 | 1 | - | 8 | 31 | 40 | 48 | 69 | 79 | 86 | 90 | 94 | 98 | 101 | 105 | | | | | | | |
| 18 | 1 | - | 21 | 27 | 32 | | 47 | 55 | 61 | 64 | 68 | 71 | 74 | 76 | | | | | | | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | | | | | | | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | G | G | | | | | | | |
| 21 | 1 | - | 15 | 19 | 23 | | 35 | 42 | 47 | 50 | 52 | 55 | 57 | | | | | | | | |
| 24 | 2 | - | 12 | 15 | 19 | | 28 | 35 | 39 | 41 | 43 | 45 | 47 | | | | | | | | |
| 27 | 2 | - | 10 | 12 | 15 | | 23 | 29 | 33 | 35 | 36 | 38 | 40 | | | | | | | | |
| 30 | 2 | - | 8 | 10 | 12 | | 20 | 25 | 28 | 30 | 32 | 33 | 35 | | | | | | | | |
| 33 | 2 | - | 8 | 10 | | | 17 | 22 | 25 | 26 | 28 | 29 | 31 | | | | | | | | |
| 36 | 2 | - | 7 | 8 | | | 15 | 20 | 22 | 24 | 25 | 26 | 28 | | | | | | | | |
| 39 | 3 | - | 8 | | | | 14 | 19 | 21 | 23 | 24 | 25 | 26 | | | | | | | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | 1 | 1 | 1 | 1 | 2 | | | | | | | | | |
| at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | | | | | | | | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | G | | | | | | | | |
| 42 | 3 | - | | | | | 15 | 17 | 20 | 21 | 22 | 23 | 24 | | | | | | | | |
| 45 | 3 | - | | | | | 14 | 17 | 18 | 19 | 20 | 21 | 22 | | | | | | | | |
| 48 | 3 | - | | | | | 13 | 16 | 17 | 18 | 19 | 20 | 21 | | | | | | | | |
| 51 | 3 | - | | | | | 12 | 15 | 16 | 17 | 18 | 19 | | | | | | | | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | 1 | 1 | 1 | 2 | 2 | 3 | | | | | | | | |
| at 6 metres | | | | | | | 2 | 3 | 6 | 9 | 12 | 15 | 18 | | | | | | | | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | G | | | | | | | | |

**LEVEL 1 (greater than 984 millibar)
TABLE C**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | |
| 3 | (1) | - ∞ | | | | | | | | | | | |
| 6 | (1) | - 359 ∞ | | | | | | | | | | | |
| 9 | 1 | - | 49 | 79 | 116 | 182 | 199 | 211 | 220 | 227 | 234 | 241 | 248 |
| 12 | 1 | - | 20 | 31 | 44 | 71 | 83 | 90 | 95 | 100 | 104 | 108 | 112 |
| 15 | 1 | - | 11 | 17 | 24 | 40 | 48 | 54 | 57 | 61 | 64 | 67 | 70 |
| 18 | 1 | - | 7 | 11 | 15 | 27 | 34 | 38 | 40 | 43 | 45 | 47 | 50 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | G | G | G | G | G | G | G |

| | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 21 | 1 | - | 7 | 10 | 20 | 26 | 29 | 31 | 33 | 35 | 37 | | |
| 24 | 2 | - | 8 | 16 | 22 | 25 | 26 | 28 | 29 | 31 | | | |
| 27 | 2 | - | 13 | 18 | 21 | 22 | 24 | 25 | 26 | | | | |
| 30 | 2 | - | 11 | 16 | 18 | 19 | 20 | 22 | 23 | | | | |
| 33 | 2 | - | 10 | 14 | 16 | 17 | 18 | 19 | 20 | | | | |
| 36 | 2 | - | 8 | 12 | 14 | 15 | 16 | 17 | 18 | | | | |
| 39 | 3 | - | 8 | 12 | 14 | 15 | 16 | 17 | 18 | | | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | 1 | 1 | 1 | 1 | 2 | | |
| at 6 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | G | G | G | G | G | G | G |

| | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 42 | 3 | - | 10 | ● | 13 | 14 | 15 | 16 | | | | | |
| 45 | 3 | - | 9 | ● | 12 | ● | 14 | ● | 15 | | | | |
| 48 | 3 | - | 8 | ● | 12 | ● | 13 | 14 | | | | | |
| 51 | 3 | - | 8 | 10 | 11 | 12 | ● | 13 | | | | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | 1 | 1 | 1 | 2 | 2 | 3 | | |
| at 6 metres | | | | | | 2 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | G | G | G | G | G | G | G |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

LEVEL 1 (greater than 984 millibar)
TABLE D

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | ∞ | 231 | - | | | | | | | | | | | |
| 6 | (1) | | | - | ∞ | | | | | | | | | | |
| 9 | 1 | | | - | 8 | 29 | 81 | 96 | 107 | 115 | 122 | 129 | 136 | 143 | |
| 12 | 1 | | | | - | 8 | 26 | 33 | 38 | 42 | 45 | 48 | 51 | 54 | |
| 15 | 1 | | | | | - | 14 | 19 | 23 | 25 | 27 | 28 | 30 | 32 | |
| 18 | 1 | | | | | - | 9 | 14 | 16 | 18 | 19 | 20 | 22 | 23 | |
| 21 | 1 | | | | | - | 6 | 10 | 13 | 14 | 15 | 16 | 17 | 18 | |
| 24 | 2 | | | | | | - | 9 | 11 | 12 | 13 | 14 | 15 | 16 | |
| 27 | 2 | | | | | | - | 8 | 10 | 11 | ● | 12 | 13 | | |
| 30 | 2 | | | | | | - | 7 | 9 | ● | 10 | 11 | ● | 12 | |
| 33 | 2 | | | | | | - | 8 | ● | 9 | ● | 10 | | | |
| 36 | 2 | | | | | | - | 7 | 8 | ● | 9 | | | | |
| 39 | 3 | | | | | | - | 8 | ● | 9 | | | | | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |
| 42 | 3 | | | | | | | - | 8 | ● | ● | 9 | | | |
| 45 | 3 | | | | | | | | - | 8 | ● | ● | 9 | | |
| 48 | 3 | | | | | | | | | - | 8 | | | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | |
| at 6 metres | | | | | | | | | | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

**LEVEL 1 (greater than 984 millibar)
TABLE E**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | |
|--|------------------|------------------|---------------------------|---------------------|
| | | No-Stop Dives | Decompression Stop Dives | |
| 3 | (1) | ∞ 271 8 - | | |
| 6 | (1) | - ∞ | | |
| 9 | 1 | - 9 | 50 63 73 81 88 94 101 107 | |
| 12 | 1 | - | 14 22 26 28 31 33 36 38 | |
| 15 | 1 | - | 8 13 16 17 19 20 21 23 | |
| 18 | 1 | | - 9 11 12 13 14 15 16 | |
| 21 | 1 | | - 7 9 10 ● 11 12 13 | |
| 24 | 2 | | - 7 8 9 10 ● 11 12 | |
| 27 | 2 | | - 7 8 ● 9 ● 10 | |
| 30 | 2 | | - 7 ● 8 ● 9 | |
| 33 | 2 | | - 7 ● 8 | |
| 36 | 2 | | - 7 | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | 1 3 6 9 12 15 18 21 |
| SURFACING CODE | | B C D E F | G G G G G G G G | |

**LEVEL 1 (greater than 984 millibar)
TABLE F**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | |
|--|------------------|------------------|--------------------------|---------------------|
| | | No-Stop Dives | Decompression Stop Dives | |
| 3 | (1) | ∞ 303 25 5 - | | |
| 6 | (1) | ∞ 339 | | |
| 9 | 1 | - | 23 33 40 46 52 57 63 69 | |
| 12 | 1 | - | 6 11 14 16 18 20 22 24 | |
| 15 | 1 | | - 7 9 10 11 12 13 14 | |
| 18 | 1 | | - 6 7 8 9 10 | |
| 21 | 1 | | - 6 ● 7 8 | |
| 24 | 2 | | - 7 ● 8 | |
| 27 | 2 | | - 7 | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | 1 3 6 9 12 15 18 21 |
| SURFACING CODE | | B C D E F | G G G G G G G G | |

LEVEL 1 (greater than 984 millibar) TABLE G

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | |
|--|------------------|------------------|-----|-----|--------------------------|----|------------------|
| | | No-Stop Dives | | | Decompression Stop Dives | | |
| 3 | (1) | ∞ | 332 | 45 | 19 | 7 | - |
| 6 | (1) | | ∞ | 484 | | 81 | - |
| 9 | 1 | | | | | - | 9 12 16 19 23 27 |
| 12 | 1 | | | | | | - 6 7 8 10 |
| 15 | 1 | | | | | | - 6 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | - | 6 9 12 15 18 21 |
| SURFACING CODE | | B | C | D | E | F | G G G G G G G |

Note there are some dives possible on Table G that produce a SURFACING CODE of G but require no decompression stop.

This SURFACE INTERVAL TABLE shows how your body tissues gradually release excess gas over periods of time, whilst you remain at LEVEL 1. Enter the left hand column with the SURFACING CODE from your last dive and move right along that row for your SURFACE INTERVAL and your CURRENT TISSUE CODE is indicated.

SURFACE INTERVAL TABLE LEVEL 1

| Last Dive SURFACING CODE | Minutes | | | | | | Hours | | | | | |
|--------------------------------|---------|----|----|----|---|---|-------|----|----|----|----|----|
| | 15 | 30 | 60 | 90 | 2 | 3 | 4 | 10 | 12 | 14 | 15 | 16 |
| G | G | F | E | D | C | | | B | | | | A |
| F | F | E | D | | C | | | B | | | | A |
| E | E | D | | C | | | B | | | | | A |
| D | | D | | C | | | B | | | | | A |
| C | | C | | | B | | | A | | | | |
| B | | | B | | | | | A | | | | |
| A | | | | | A | | | | | | | |

**LEVEL 2 (899-984 millibar)
TABLE A**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | |
| 3 | (1) | - | 221 | ∞ | | | | | | | | |
| 6 | (1) | - | 32 | 142 | 434 | 704 | ∞ | | | | | |
| 9 | 1 | - | 14 | 52 | 127 | 156 | 190 | 244 | 258 | 267 | 273 | 279 |
| 12 | 1 | - | 7 | 28 | 64 | 77 | 92 | 121 | 133 | 140 | 145 | 149 |
| 15 | 1 | - | 18 | 39 | 47 | 55 | | 75 | 85 | 91 | 95 | 99 |
| 18 | 1 | - | 12 | 27 | 32 | 37 | | 52 | 60 | 66 | 69 | 72 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | | 1 | 3 | 6 | 9 | 12 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 21 | 1 | - | 9 | 20 | 23 | 27 | | 39 | 46 | 51 | 54 | 56 |
| 24 | 2 | - | 7 | 16 | 19 | 22 | | 32 | 38 | 42 | 45 | 47 |
| 27 | 2 | - | 13 | 15 | 18 | | | 26 | 32 | 36 | 38 | 40 |
| 30 | 2 | - | 10 | 12 | 15 | | | 22 | 28 | 31 | 33 | 34 |
| 33 | 2 | - | 9 | 10 | 12 | | | 19 | 24 | 27 | 29 | 31 |
| 36 | 2 | - | 7 | 9 | 10 | | | 17 | 22 | 24 | 26 | 27 |
| 39 | 3 | - | 8 | 10 | | | | 16 | 21 | 23 | 25 | 26 |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | | 1 | 1 | 1 |
| at 6 metres | | | | | | | | 1 | 3 | 6 | 9 | 12 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 42 | 3 | - | 9 | | | | | 17 | 19 | 22 | 23 | 24 |
| 45 | 3 | - | 8 | | | | | 16 | 17 | 20 | 21 | 22 |
| 48 | 3 | - | | | | | | 15 | 17 | 19 | 20 | 21 |
| 51 | 3 | - | | | | | | 14 | 16 | 17 | 18 | 19 |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | | 1 | 1 | 1 |
| at 6 metres | | | | | | | | 2 | 3 | 6 | 9 | 12 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

**LEVEL 2 (899-984 millibar)
TABLE B**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|-----|
| | | No-Stop Dives | | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | - ∞ | | | | | | | | | | | | | |
| 6 | (1) | - 65 351 621 ∞ | | | | | | | | | | | | | |
| 9 | 1 | - 20 81 109 142 | | | | | | 195 | 209 | 218 | 224 | 230 | 235 | 240 | 244 |
| 12 | 1 | - 10 37 49 62 | | | | | | 88 | 99 | 106 | 111 | 115 | 119 | 122 | 126 |
| 15 | 1 | - 22 28 36 | | | | | | 52 | 61 | 67 | 70 | 74 | 77 | 79 | 82 |
| 18 | 1 | - 15 19 24 | | | | | | 36 | 43 | 48 | 50 | 53 | 55 | 58 | 60 |
| 21 | 1 | - 10 14 17 | | | | | | 27 | 33 | 37 | 39 | 41 | 43 | 45 | 47 |
| 24 | 2 | - 8 11 14 | | | | | | 22 | 28 | 31 | 33 | 35 | 36 | 38 | 39 |
| 27 | 2 | - 7 9 11 | | | | | | 18 | 23 | 26 | 28 | 29 | 31 | 32 | 33 |
| 30 | 2 | - 7 9 | | | | | | 15 | 20 | 23 | 24 | 25 | 27 | 28 | 29 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | |

| | | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 33 | 2 | - 7 | | | | | | 16 | 18 | 20 | 21 | 23 | 24 | 25 |
| 36 | 2 | - | | | | | | 14 | 16 | 18 | 19 | 20 | 21 | 22 |
| 39 | 3 | - | | | | | | 14 | 15 | 18 | 19 | 20 | 21 | |
| 42 | 3 | - | | | | | | 13 | 14 | 16 | 17 | 18 | 19 | 20 |
| 45 | 3 | - | | | | | | 12 | 13 | 15 | 16 | 17 | 18 | |
| 48 | 3 | - | | | | | | 11 | 13 | 14 | 15 | 16 | ● 17 | |
| 51 | 3 | - | | | | | | 10 | 12 | 13 | 14 | 15 | ● 16 | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | 1 | 1 | 1 | 2 | 2 | 2 | | |
| at 6 metres | | | | | | | 2 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

**LEVEL 2 (899-984 millibar)
TABLE C**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | |
| 3 | (1) | - ∞ | | | | | | | | | | | |
| 6 | (1) | - 225 494 ∞ | | | | | | | | | | | |
| 9 | 1 | - 33 | 54 | 83 | | 134 | 148 | 157 | 163 | 169 | 174 | 179 | 183 |
| 12 | 1 | - 14 | 22 | 32 | | 54 | 63 | 69 | 73 | 77 | 80 | 83 | 86 |
| 15 | 1 | - 7 | 12 | 18 | | 31 | 38 | 42 | 45 | 48 | 50 | 52 | 55 |
| 18 | 1 | - 7 | 11 | | | 21 | 27 | 30 | 32 | 34 | 36 | 38 | 39 |
| 21 | 1 | - 7 | | | | 16 | 21 | 23 | 25 | 27 | 28 | 29 | 31 |
| 24 | 2 | - | | | | 13 | 18 | 20 | 22 | 23 | 24 | 25 | 26 |
| 27 | 2 | - | | | | 11 | 15 | 17 | 18 | 19 | 20 | 21 | 22 |
| 30 | 2 | - | | | | 9 | 13 | 15 | 16 | 17 | 18 | 19 | 20 |
| 33 | 2 | - | | | | 8 | 12 | 13 | 14 | 15 | 16 | 17 | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | G | G | G | G | G | G | G |

| | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 36 | 2 | - | | | | 10 | 12 | 13 | 14 | ● | 15 | | |
| 39 | 3 | - | | | | 10 | 12 | 13 | 14 | ● | 15 | | |
| 42 | 3 | - | | | | 10 | 11 | 12 | 13 | ● | 14 | | |
| 45 | 3 | - | | | | 9 | 11 | ● | 12 | ● | 13 | | |
| 48 | 3 | - | | | | 8 | 10 | 11 | ● | 12 | | | |
| 51 | 3 | - | | | | 8 | 10 | ● | 11 | | | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| at 6 metres | | | | | | 3 | 6 | 9 | 12 | 15 | 18 | | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | G | G | G | G | G | G | G |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

**LEVEL 2 (899-984 millibar)
TABLE D**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | |
|--|------------------|------------------|-----|---|-----|----|--------------------------|----|----|----|----|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | |
| 3 | (1) | ∞ | 174 | - | | | | | | | |
| 6 | (1) | | | - | 202 | ∞ | | | | | |
| 9 | 1 | | | - | 21 | 58 | 69 | 77 | 83 | 88 | 92 |
| 12 | 1 | | | - | 6 | 21 | 27 | 31 | 33 | 36 | 38 |
| 15 | 1 | | | - | | 12 | 16 | 19 | 21 | 22 | 23 |
| 18 | 1 | | | - | | 7 | 12 | 14 | 15 | 16 | 17 |
| 21 | 1 | | | | | - | 9 | 11 | 12 | 13 | ● |
| 24 | 2 | | | | | - | 8 | 10 | 11 | ● | 12 |
| 27 | 2 | | | | | - | 7 | 9 | ● | 10 | ● |
| 30 | 2 | | | | | | - | 8 | ● | 9 | ● |
| 33 | 2 | | | | | | - | 7 | 8 | ● | 9 |
| 36 | 2 | | | | | | | - | 7 | ● | 8 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 |
| SURFACING CODE | | | | | | B | C | D | E | F | G |

| | | | | | | | | | | | |
|--|---|--|--|---|---|-------|---|---|---|---|---|
| 39 | 3 | | | - | 8 | | | | | | |
| 42 | 3 | | | | | - | 8 | | | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | 1 | | | | | |
| at 6 metres | | | | | | 12 15 | | | | | |
| SURFACING CODE | | | | | | B | C | D | E | F | G |

**LEVEL 2 (899-984 millibar)
TABLE E**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | |
|--|------------------|------------------|-----|---|---|----|--------------------------|----|----|----|----|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | |
| 3 | (1) | ∞ | 214 | 8 | - | | | | | | |
| 6 | (1) | | | - | ∞ | | | | | | |
| 9 | 1 | | | - | 7 | 36 | 45 | 52 | 56 | 61 | 65 |
| 12 | 1 | | | - | | 12 | 18 | 21 | 23 | 24 | 26 |
| 15 | 1 | | | - | | 7 | 11 | 13 | 14 | 15 | 16 |
| 18 | 1 | | | | | - | 8 | 10 | ● | 11 | 12 |
| 21 | 1 | | | | | - | 6 | 8 | ● | 9 | ● |
| 24 | 2 | | | | | | - | 7 | 8 | ● | 9 |
| 27 | 2 | | | | | | | - | 7 | ● | 8 |
| 30 | 2 | | | | | | | | - | 7 | ● |
| 33 | 2 | | | | | | | | | - | 7 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 |
| SURFACING CODE | | | | | | B | C | D | E | F | G |

LEVEL 2 (899-984 millibar)
TABLE F

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----|
| | | No-Stop Dives | | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | ∞ | 247 | 26 | 6 | - | | | | | | | | | |
| 6 | (1) | - | | | | | | ∞ | | | | | | | |
| 9 | 1 | | | | | | | 16 | 23 | 27 | 30 | 33 | 36 | 40 | 43 |
| 12 | 1 | | | | | | | - | 9 | 11 | 13 | 14 | 15 | 16 | 17 |
| 15 | 1 | | | | | | | - | 7 | 8 | 9 | ● | 10 | 11 | |
| 18 | 1 | | | | | | | - | 6 | 7 | ● | 8 | | | |
| 21 | 1 | | | | | | | - | | | | | | 6 | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | |

LEVEL 2 (899-984 millibar)
TABLE G

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|-----|---|
| | | No-Stop Dives | | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | ∞ | 277 | 46 | 20 | 5 | - | | | | | | | | |
| 6 | (1) | | | | | | | ∞ | | | | | | 187 | - |
| 9 | 1 | | | | | | | - | 7 | 8 | 10 | 11 | 13 | | |
| 12 | 1 | | | | | | | | | | | | | - | 6 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 9 | 12 | 15 | 18 | 21 | | | | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | | |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

for SURFACE INTERVAL TABLE LEVELS 2, 3 or 4 see page 28

**LEVEL 3 (795-899 millibar)
TABLE A**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | |
|--|------------------|------------------|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | |
| 3 | (1) | - | 215 | ∞ | | | | | | | | |
| 6 | (1) | - | 28 | 122 | 343 | 479 | 835 | | | | | |
| 9 | 1 | - | 12 | 44 | 106 | 130 | 158 | 201 | 213 | 220 | 225 | 229 |
| 12 | 1 | - | 6 | 24 | 53 | 64 | 77 | 101 | 112 | 118 | 122 | 126 |
| 15 | 1 | - | 15 | 33 | 39 | 46 | | 63 | 72 | 77 | 81 | 84 |
| 18 | 1 | - | 10 | 22 | 27 | 31 | | 44 | 51 | 56 | 59 | 61 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | | 1 | 3 | 6 | 9 | 12 |
| SURFACING CODE | | | | | | | | B | C | D | E | F |
| | | | | | | | | G | G | G | G | G |

| | | | | | | | | | | | | |
|--|---|---|----|----|----|----|--|----|----|----|----|----|
| 21 | 1 | - | 7 | 16 | 20 | 23 | | 33 | 40 | 44 | 46 | 48 |
| 24 | 2 | - | 14 | 16 | 19 | | | 27 | 33 | 37 | 39 | 41 |
| 27 | 2 | - | 11 | 13 | 15 | | | 23 | 28 | 31 | 33 | 34 |
| 30 | 2 | - | 9 | 10 | 12 | | | 19 | 24 | 27 | 29 | 30 |
| 33 | 2 | - | 7 | 9 | 10 | | | 17 | 21 | 24 | 25 | 27 |
| 36 | 2 | - | 7 | 8 | | | | 14 | 19 | 22 | 23 | 24 |
| 39 | 3 | - | 8 | | | | | 14 | 18 | 21 | 22 | 23 |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | | | 1 | 1 |
| at 6 metres | | | | | | | | 1 | 3 | 6 | 9 | 12 |
| SURFACING CODE | | | | | | | | B | C | D | E | F |
| | | | | | | | | G | G | G | G | G |

| | | | | | | | | | | | | |
|--|---|---|--|--|--|--|--|----|----|----|------|------|
| 42 | 3 | - | | | | | | 15 | 17 | 19 | 20 | 21 |
| 45 | 3 | - | | | | | | 14 | 16 | 18 | 19 | 20 |
| 48 | 3 | - | | | | | | 13 | 14 | 17 | 18 | ● 19 |
| 51 | 3 | - | | | | | | 12 | 14 | 16 | ● 17 | 18 |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | | | 1 | 1 |
| at 6 metres | | | | | | | | 2 | 3 | 6 | 9 | 12 |
| SURFACING CODE | | | | | | | | B | C | D | E | F |
| | | | | | | | | G | G | G | G | G |

**LEVEL 3 (795-899 millibar)
TABLE B**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|--|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | | | |
| 3 | (1) | - ∞ | | | | | | | | | | | | | |
| 6 | (1) | - 53 266 403 758 | | | | | | | | | | | | | |
| 9 | 1 | - 17 65 87 114 | | | | | 156 | 168 | 175 | 180 | 184 | 188 | 191 | 194 | |
| 12 | 1 | - 8 31 40 50 | | | | | 72 | 82 | 88 | 92 | 95 | 98 | 101 | 104 | |
| 15 | 1 | - 18 24 29 | | | | | 44 | 51 | 56 | 59 | 62 | 64 | 66 | 69 | |
| 18 | 1 | - 12 16 20 | | | | | 30 | 37 | 40 | 43 | 45 | 47 | 49 | 51 | |
| 21 | 1 | - 8 11 14 | | | | | 23 | 28 | 32 | 33 | 35 | 37 | 38 | 40 | |
| 24 | 2 | - 7 9 11 | | | | | 19 | 24 | 27 | 28 | 30 | 31 | 32 | 34 | |
| 27 | 2 | - 7 9 | | | | | 16 | 20 | 23 | 24 | 25 | 27 | 28 | 29 | |
| 30 | 2 | - 7 | | | | | 13 | 18 | 20 | 21 | 22 | 23 | 24 | 25 | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | G | G | G | G | G | G | G | G | |

| | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 33 | 2 | - | | | | | 14 | 16 | 18 | 19 | 20 | 21 | 22 |
| 36 | 2 | - | | | | | 12 | 14 | 16 | 17 | 18 | 19 | 20 |
| 39 | 3 | - | | | | | 12 | 14 | 16 | 17 | ● | 18 | 19 |
| 42 | 3 | - | | | | | 11 | 13 | 14 | 15 | 16 | 17 | |
| 45 | 3 | - | | | | | 10 | 12 | 14 | ● | 15 | 16 | |
| 48 | 3 | - | | | | | 10 | 11 | 13 | ● | 14 | 15 | |
| 51 | 3 | - | | | | | 9 | 11 | 12 | 13 | ● | 14 | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | 1 | 1 | 1 | 1 | 1 | 2 | | |
| at 6 metres | | | | | | 2 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | G | G | G | G | G | G | G |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

LEVEL 3 (795-899 millibar)
TABLE C

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | |
|--|------------------|------------------|---|---|---|---|---|--------------------------|-----|-----|-----|-----|-----|-----|-----|
| | | No-Stop Dives | | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | - ∞ | | | | | | | | | | | | | |
| 6 | (1) | - 154 291 646 | | | | | | | | | | | | | |
| 9 | 1 | - 26 42 64 | | | | | | 103 | 114 | 121 | 126 | 130 | 134 | 137 | 140 |
| 12 | 1 | - 11 18 26 | | | | | | 43 | 51 | 56 | 59 | 62 | 64 | 67 | 69 |
| 15 | 1 | - 6 10 14 | | | | | | 26 | 32 | 35 | 37 | 39 | 41 | 43 | 45 |
| 18 | 1 | - 6 9 | | | | | | 18 | 23 | 26 | 27 | 29 | 30 | 31 | 33 |
| 21 | 1 | - 6 | | | | | | 13 | 18 | 20 | 21 | 23 | 24 | 25 | 26 |
| 24 | 2 | - | | | | | | 11 | 15 | 18 | 19 | 20 | 21 | ● | 22 |
| 27 | 2 | - | | | | | | 9 | 13 | 15 | 16 | 17 | 18 | ● | 19 |
| 30 | 2 | - | | | | | | 8 | 11 | 13 | 14 | 15 | ● | 16 | 17 |
| 33 | 2 | - | | | | | | 7 | 10 | 12 | 13 | ● | 14 | ● | 15 |
| 36 | 2 | - | | | | | | - | 9 | 11 | ● | 12 | 13 | ● | 14 |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | G | G | |

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|----|----|----|----|----|
| 39 | 3 | - | | | | | | 9 | 11 | 12 | ● | 13 | |
| 42 | 3 | - | | | | | | 9 | 10 | 11 | ● | 12 | |
| 45 | 3 | - | | | | | | 8 | 10 | ● | 11 | | |
| 48 | 3 | - | | | | | | 8 | 9 | 10 | ● | ● | 11 |
| 51 | 3 | - | | | | | | - | 9 | ● | ● | 10 | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | 1 | 1 | 1 | 1 | 2 | | |
| at 6 metres | | | | | | | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | |

LEVEL 3 (795-899 millibar)
TABLE D

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | | |
|--|------------------|------------------|---|---|---|---|---|--------------------------|----|----|----|----|----|----|----|
| | | No-Stop Dives | | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | ∞ 179 - | | | | | | | | | | | | | |
| 6 | (1) | - 73 425 | | | | | | | | | | | | | |
| 9 | 1 | - 16 | | | | | | 42 | 50 | 56 | 59 | 62 | 65 | 68 | 71 |
| 12 | 1 | - | | | | | | 17 | 22 | 25 | 26 | 28 | 29 | 31 | 32 |
| 15 | 1 | - | | | | | | 9 | 14 | 16 | 17 | 18 | 19 | 20 | 21 |
| 18 | 1 | - | | | | | | 6 | 10 | 12 | 13 | ● | 14 | 15 | |
| 21 | 1 | - | | | | | | - | 8 | 9 | 10 | 11 | ● | 12 | |
| 24 | 2 | - | | | | | | - | 7 | 9 | ● | 10 | ● | 11 | |
| 27 | 2 | - | | | | | | - | 8 | ● | 9 | ● | ● | 10 | |
| 30 | 2 | - | | | | | | - | 7 | ● | 8 | ● | ● | 9 | |
| 33 | 2 | - | | | | | | - | 7 | ● | ● | 8 | | | |
| 36 | 2 | - | | | | | | - | 7 | | | | | | |
| 39 | 3 | - | | | | | | - | 8 | | | | | | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | G | G | |

**LEVEL 3 (795-899 millibar)
TABLE E**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | |
|--|------------------|------------------|--------------------------|----|----|----|----|----|----|----|----|
| | | No-Stop Dives | Decompression Stop Dives | | | | | | | | |
| 3 | (1) | ∞ 219 | 8 - | | | | | | | | |
| 6 | (1) | | - 288 | | | | | | | | |
| 9 | 1 | | - | 26 | 32 | 36 | 39 | 41 | 44 | 45 | 48 |
| 12 | 1 | | - | 10 | 14 | 16 | 18 | 19 | 20 | 21 | 22 |
| 15 | 1 | | | - | 9 | 11 | ● | 12 | 13 | 14 | |
| 18 | 1 | | | - | 6 | 8 | 9 | ● | 10 | ● | 11 |
| 21 | 1 | | | | - | 6 | 7 | ● | 8 | ● | 9 |
| 24 | 2 | | | | | - | 7 | ● | ● | 8 | |
| 27 | 2 | | | | | | | - | 7 | | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G |

**LEVEL 3 (795-899 millibar)
TABLE F**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | |
|--|------------------|------------------|--------------------------|----|----|----|----|----|----|----|----|
| | | No-Stop Dives | Decompression Stop Dives | | | | | | | | |
| 3 | (1) | ∞ 254 | 27 6 - | | | | | | | | |
| 6 | (1) | | - ∞ | | | | | | | | |
| 9 | 1 | | - | 11 | 16 | 18 | 20 | 21 | 23 | 24 | 26 |
| 12 | 1 | | | - | 7 | 9 | ● | 10 | 11 | ● | 12 |
| 15 | 1 | | | | - | 6 | ● | 7 | ● | ● | 8 |
| 18 | 1 | | | | | | | | - | 6 | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | C | D | E | F | G | G | G | G | G | G |

**LEVEL 3 (795-899 millibar)
TABLE G**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | |
|--|------------------|------------------|--------------------------|----|---|---|---|--|--|--|--|
| | | No-Stop Dives | Decompression Stop Dives | | | | | | | | |
| 3 | (1) | ∞ 284 | 47 21 5 - | | | | | | | | |
| 6 | (1) | | - ∞ | | | | | | | | |
| 9 | 1 | | - | 5 | | | | | | | |
| DECOMPRESSION STOPS (mins) at 6 metres | | | | 21 | | | | | | | |
| SURFACING CODE | | C | D | E | F | G | G | | | | |

● Indicates that the user should move to the column on the right, ie the next dive time.

Note there are dives on Tables F and G above that produce a SURFACING CODE of G but do not require decompression stops.

for SURFACE INTERVAL TABLE LEVELS 2, 3 or 4 see page 28

LEVEL 4 (701-795 millibar)
TABLE A

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | | Decompression Stop Dives | | | | | | |
| 3 | (1) | - 174 ∞ | | | | | | | | | | | | |
| 5 | (1) | - 39 180 767 ∞ | | | | | | | | | | | | |
| 7 | 1 | - 18 | 73 | 184 | 228 | 279 | 371 | 394 | 410 | 423 | 434 | 445 | 456 | 467 |
| 9 | 1 | - 10 | 40 | 95 | 116 | 138 | 179 | 193 | 203 | 209 | 215 | 221 | 227 | 230 |
| 12 | 1 | - 22 | 48 | 58 | 68 | | 92 | 103 | 111 | 116 | 120 | 124 | 128 | 131 |
| 15 | 1 | - 14 | 30 | 36 | 41 | | 57 | 67 | 73 | 77 | 80 | 84 | 87 | 90 |
| 18 | 1 | - 9 | 21 | 25 | 28 | | 40 | 48 | 53 | 56 | 59 | 62 | 65 | |
| DECOMPRESSION STOPS (mins) at 5 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |
| 21 | 1 | - 7 | 15 | 18 | 21 | | 31 | 37 | 42 | 44 | 47 | 49 | 52 | |
| 24 | 2 | - 13 | 15 | 17 | | | 25 | 32 | 35 | 38 | 40 | 42 | 44 | |
| 27 | 2 | - 10 | 12 | 14 | | | 21 | 27 | 30 | 32 | 34 | 36 | 38 | |
| 30 | 2 | - 8 | 10 | 11 | | | 18 | 23 | 27 | 28 | 30 | 31 | 33 | |
| 33 | 2 | - 7 | 8 | 9 | | | 16 | 21 | 24 | 25 | 27 | 28 | 29 | |
| 36 | 2 | - 7 | 8 | | | | 14 | 19 | 21 | 22 | 24 | 25 | 26 | |
| DECOMPRESSION STOPS (mins) at 7 metres | | | | | | | 1 | 1 | 1 | 2 | 2 | 2 | | |
| at 5 metres | | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |
| 39 | 3 | | | - 8 | | | 16 | 19 | 20 | 22 | 23 | 24 | | |
| 42 | 3 | | | - | | | 14 | 17 | 19 | 20 | 21 | 22 | | |
| 45 | 3 | | | - | | | 12 | 16 | 18 | 19 | ● | 20 | | |
| 48 | 3 | | | - | | | 11 | 15 | 17 | ● | 18 | 19 | | |
| 51 | 3 | | | - | | | 10 | 14 | 16 | ● | 17 | 18 | | |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | | 1 | 1 | | | |
| at 7 metres | | | | | | | | 1 | 2 | 2 | 2 | 2 | | |
| at 5 metres | | | | | | | 2 | 3 | 6 | 9 | 12 | 15 | | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

LEVEL 4 (701-795 millibar) TABLE B

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|-----|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | – ∞ | | | | | | | | | | | | |
| 5 | (1) | – 90 674 ∞ | | | | | | | | | | | | |
| 7 | 1 | – 29 126 170 221 | | | | | 312 | 335 | 352 | 364 | 376 | 387 | 398 | 409 |
| 9 | 1 | – 15 58 77 97 | | | | | 137 | 151 | 161 | 167 | 173 | 178 | 183 | 188 |
| 12 | 1 | – 7 28 36 44 | | | | | 65 | 75 | 82 | 87 | 91 | 95 | 98 | 102 |
| 15 | 1 | – 17 21 26 | | | | | 40 | 48 | 53 | 56 | 59 | 62 | 65 | 68 |
| 18 | 1 | – 11 14 18 | | | | | 28 | 34 | 39 | 41 | 43 | 46 | 48 | 50 |
| DECOMPRESSION STOPS (mins) at 5 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | |

| | | | | | | | | | | | | | |
|--|---|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 21 | 1 | – 8 10 12 | | | | | 21 | 27 | 30 | 32 | 34 | 36 | 38 |
| 24 | 2 | – 8 10 | | | | | 18 | 23 | 26 | 28 | 29 | 31 | 33 |
| 27 | 2 | – 8 | | | | | 15 | 19 | 23 | 24 | 25 | 27 | 28 |
| 30 | 2 | – | | | | | 12 | 17 | 20 | 21 | 22 | 23 | 25 |
| 33 | 2 | – | | | | | 11 | 16 | 18 | 19 | 20 | 21 | 22 |
| 36 | 2 | – | | | | | 9 | 14 | 16 | 17 | 18 | 19 | 20 |
| DECOMPRESSION STOPS (mins) at 7 metres | | | | | | | 1 | 1 | 1 | 1 | 2 | 2 | |
| at 5 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 39 | 3 | – | | | | | 12 | 14 | 16 | ● | 17 | 18 | 19 |
| 42 | 3 | – | | | | | 10 | 13 | 14 | 15 | 16 | 17 | 18 |
| 45 | 3 | – | | | | | 9 | 12 | 14 | ● | 15 | 16 | 17 |
| 48 | 3 | – | | | | | 8 | 11 | 13 | ● | 14 | 15 | |
| 51 | 3 | – | | | | | – | 11 | 12 | 13 | ● | 14 | 15 |
| DECOMPRESSION STOPS (mins) at 9 metres | | | | | | | | | | | 1 | 1 | |
| at 7 metres | | | | | | | 1 | 2 | 2 | 2 | 2 | 2 | |
| at 5 metres | | | | | | 2 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

LEVEL 4 (701-795 millibar)
TABLE C

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | |
| 3 | (1) | - ∞ | | | | | | | | | | | |
| 5 | (1) | - 519 ∞ | | | | | | | | | | | |
| 7 | 1 | - | 56 | 95 | 144 | 235 | 258 | 275 | 287 | 299 | 310 | 321 | 332 |
| 9 | 1 | - | 23 | 36 | 52 | 87 | 101 | 110 | 116 | 122 | 127 | 132 | 137 |
| 12 | 1 | - | 10 | 16 | 22 | 38 | 47 | 52 | 56 | 59 | 63 | 66 | 69 |
| 15 | 1 | - | 8 | 12 | | 23 | 30 | 34 | 36 | 38 | 41 | 43 | 45 |
| 18 | 1 | - | 8 | | | 16 | 21 | 25 | 26 | 28 | 30 | 31 | 33 |
| DECOMPRESSION STOPS (mins) at 5 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 21 | 1 | - | | | | 12 | 17 | 19 | 21 | 22 | 23 | 25 | |
| 24 | 2 | - | | | | 10 | 15 | 17 | 18 | 19 | 21 | 22 | |
| 27 | 2 | - | | | | 8 | 13 | 15 | 16 | 17 | 18 | 19 | |
| 30 | 2 | - | | | | 7 | 11 | 13 | 14 | 15 | 16 | | |
| 33 | 2 | - | | | | | 10 | 12 | 13 | ● | 14 | 15 | |
| DECOMPRESSION STOPS (mins) at 7 metres | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| at 5 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 36 | 2 | - | | | | 10 | 11 | ● | 12 | 13 | | | |
| 39 | 3 | - | | | | 10 | 11 | 12 | ● | 13 | | | |
| 42 | 3 | - | | | | 9 | 10 | 11 | ● | 12 | | | |
| 45 | 3 | - | | | | 8 | 10 | ● | 11 | ● | 12 | | |
| 48 | 3 | - | | | | 8 | 9 | 10 | ● | 11 | | | |
| 51 | 3 | - | | | | 8 | 9 | ● | 10 | | | | |
| DECOMPRESSION STOPS (mins) at 7 metres | | | | | | 1 | 2 | 2 | 2 | 2 | 2 | | |
| at 5 metres | | | | | | 3 | 6 | 9 | 12 | 15 | 18 | | |
| SURFACING CODE | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

ASCENT RATE – 15 metres per minute. Take 1 minute from 6m to surface.

DIVE TIME – time from leaving surface to arriving at 6m on return to surface, or arrival at 9m on 2 Stop dives.

The infinity symbol ∞ in the Dive Time column indicates that there is no time limit for a dive at that depth which produces the Surfacing Code for that column.

If the Surfacing Code is in *italic* then there is no dive possible producing this code.

The symbol ● indicates that you must move to the next column on the right which includes a valid Dive Time. Small increases in Dive Time in such areas of the Table produce large changes in decompression requirements and extra caution is needed.

These Tables are designed for Sports Diving and assume an appropriate activity level. More demanding dives, involving heavy work or particularly cold conditions or divers whose physical condition/habits are a concern require extra caution.

**LEVEL 4 (701-795 millibar)
TABLE D**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | |
| 3 | (1) | ∞ | 219 | - | | | | | | | | | |
| 5 | (1) | | - | ∞ | | | | | | | | | |
| 7 | 1 | | - | 12 | 41 | 121 | 144 | 160 | 173 | 184 | 195 | 206 | 217 |
| 9 | 1 | | | - | 11 | 34 | 44 | 51 | 55 | 60 | 64 | 69 | 73 |
| 12 | 1 | | | | - | 14 | 20 | 24 | 26 | 28 | 30 | 32 | 34 |
| 15 | 1 | | | | - | 8 | 13 | 15 | 17 | 18 | 19 | 21 | 22 |
| 18 | 1 | | | | | - | 9 | 11 | 13 | 14 | ● | 15 | 16 |
| 21 | 1 | | | | | - | 7 | 9 | 10 | 11 | 12 | ● | 13 |
| 24 | 2 | | | | | - | 7 | 9 | ● | 10 | 11 | ● | 12 |
| DECOMPRESSION STOPS (mins) at 5 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| SURFACING CODE | | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

| | | | | | | | | | | | | | |
|--|---|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27 | 2 | | | | | - | 8 | ● | 9 | ● | 10 | | |
| 30 | 2 | | | | | - | 7 | ● | 8 | ● | 9 | | |
| 33 | 2 | | | | | | - | 7 | ● | 8 | | | |
| 36 | 2 | | | | | | | - | 7 | | | | |
| DECOMPRESSION STOPS (mins) at 7 metres | | | | | | | 1 | 1 | 1 | 1 | | | |
| at 5 metres | | | | | | | 6 | 9 | 12 | 15 | 18 | | |
| SURFACING CODE | | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> |

**LEVEL 4 (701-795 millibar)
TABLE E**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | |
|--|------------------|------------------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|-----|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | ∞ | 261 | 9 | - | | | | | | | | | |
| 5 | (1) | | | - | ∞ | | | | | | | | | |
| 7 | 1 | | | | - | 15 | 79 | 100 | 116 | 128 | 140 | 151 | 162 | 173 |
| 9 | 1 | | | | | - | 21 | 28 | 34 | 38 | 42 | 45 | 49 | 53 |
| 12 | 1 | | | | | - | 8 | 13 | 16 | 18 | 20 | 21 | 23 | 25 |
| 15 | 1 | | | | | | - | 8 | 11 | 12 | 13 | 14 | 15 | 16 |
| 18 | 1 | | | | | | - | 6 | 8 | 9 | 10 | 11 | ● | 12 |
| 21 | 1 | | | | | | - | 6 | 7 | 8 | ● | 9 | 10 | |
| 24 | 2 | | | | | | | - | 7 | ● | 8 | 9 | | |
| DECOMPRESSION STOPS (mins) at 5 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | | <i>B</i> | <i>C</i> | <i>D</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | <i>G</i> | |

**LEVEL 4 (701-795 millibar)
TABLE F**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | |
|--|------------------|------------------|-----|----|---|---|--------------------------|----|----|----|----|-----|-----|-----|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | ∞ | 294 | 27 | 6 | - | | | | | | | | |
| 5 | (1) | ∞ 142 | | | | | - | | | | | | | |
| 7 | 1 | | | | | | 39 | 55 | 69 | 80 | 90 | 101 | 111 | 122 |
| 9 | 1 | | | | | | 9 | 16 | 20 | 23 | 25 | 28 | 31 | 34 |
| 12 | 1 | | | | | | - | 7 | 10 | 11 | 12 | 13 | 15 | 16 |
| 15 | 1 | | | | | | - | 6 | 7 | 8 | 9 | 10 | 11 | |
| 18 | 1 | | | | | | - | 6 | ● | 7 | ● | 8 | | |
| 21 | 1 | | | | | | - | | | | | | 6 | |
| DECOMPRESSION STOPS (mins) at 5 metres | | | | | | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | G | |

**LEVEL 4 (701-795 millibar)
TABLE G**

| DEPTH (metres) | ASCENT (mins) | DIVE TIME (mins) | | | | | | | | | | | | |
|--|------------------|------------------|-----|----|----|---|--------------------------|----|----|----|----|----|----|---|
| | | No-Stop Dives | | | | | Decompression Stop Dives | | | | | | | |
| 3 | (1) | ∞ | 325 | 49 | 21 | 5 | - | | | | | | | |
| 5 | (1) | ∞ 258 56 | | | | | - | | | | | | | |
| 7 | 1 | | | | | | 10 | 18 | 24 | 31 | 38 | 47 | 56 | |
| 9 | 1 | | | | | | - | 6 | 7 | 9 | 11 | 13 | 15 | |
| 12 | 1 | | | | | | - | | | | | | 6 | 7 |
| DECOMPRESSION STOPS (mins) at 5 metres | | | | | | 3 | 6 | 9 | 12 | 15 | 18 | 21 | | |
| SURFACING CODE | | B | C | D | E | F | G | G | G | G | G | G | G | |

This SURFACE INTERVAL TABLE shows how your body tissues gradually release excess gas over periods of time, whilst you remain at LEVELS 2, 3 or 4. Enter the left hand column with the SURFACING CODE from your last dive and move right along that row for your SURFACE INTERVAL and your CURRENT TISSUE CODE is indicated.

SURFACE INTERVAL TABLE LEVELS 2, 3 or 4

| Last Dive SURFACING CODE | Minutes | | | | Hours | | | | | | |
|--------------------------------|---------|----|----|----|-------|---|---|---|---|----|---|
| | 15 | 30 | 60 | 90 | 3 | 4 | 5 | 8 | 9 | 10 | |
| G | G | F | E | D | C | | | B | | | A |
| F | F | E | D | C | | | B | | | A | |
| E | E | D | C | | | B | | | A | | |
| D | D | | C | | | B | | | A | | |
| C | C | | | B | | | A | | | | |
| B | B | | | | A | | | | | | |
| A | A | | | | | | | | | | |

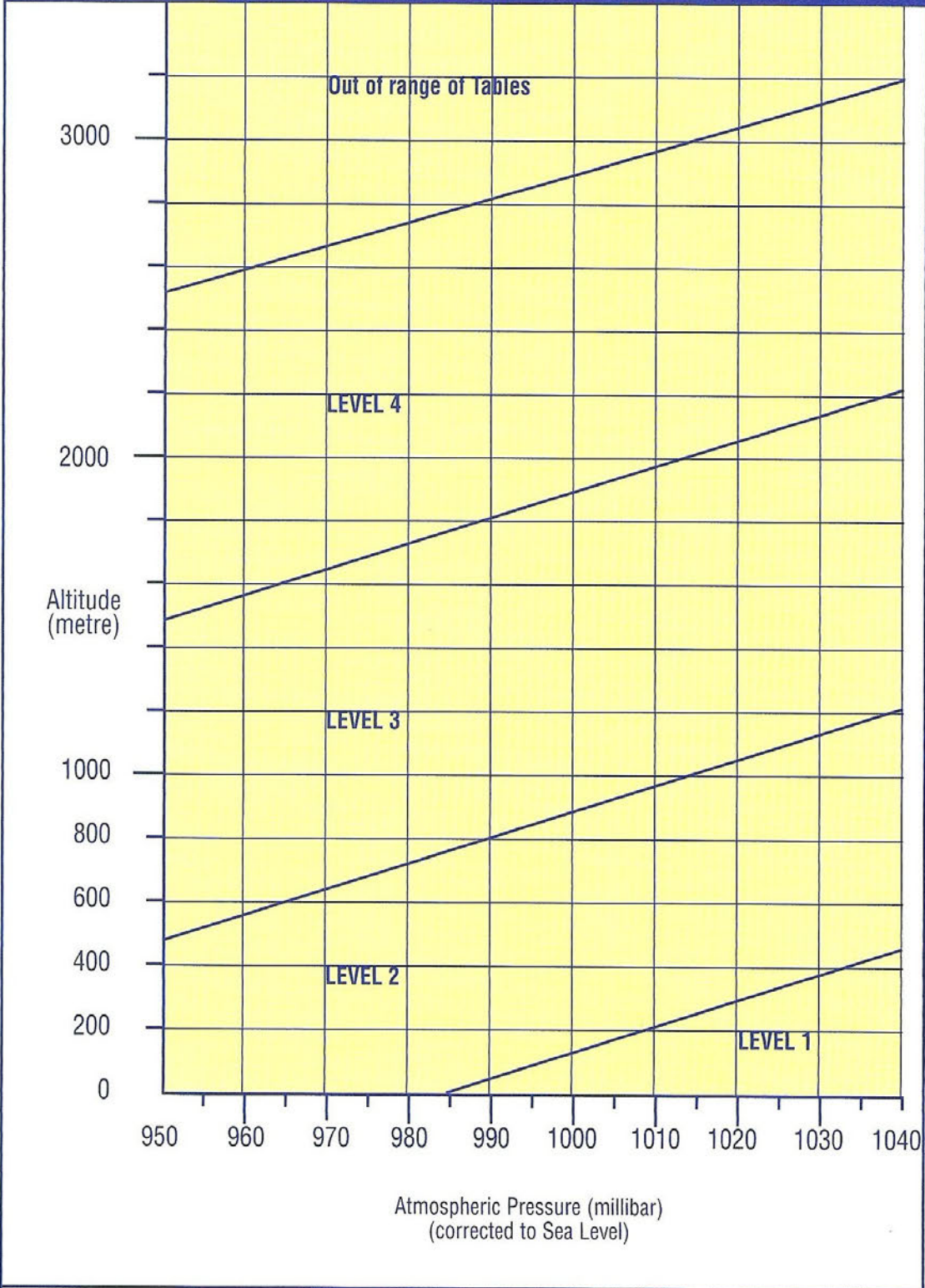
● Indicates that the user should move to the next column to the right, ie the next dive time.

TRANSFER TABLE

| LAST LEVEL CURRENT TISSUE CODE | LAST LEVEL | NEW LEVEL CURRENT TISSUE CODE | | | |
|---|---------------|----------------------------------|---------|---------|---------|
| | | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 |
| A | 1..... | A..... | B..... | B..... | C..... |
| | 2..... | A..... | A..... | B..... | C..... |
| | 3..... | A..... | A..... | A..... | B..... |
| | 4..... | A..... | A..... | A..... | A..... |
| B | 1..... | B..... | C..... | D..... | D..... |
| | 2..... | B..... | B..... | C..... | D..... |
| | 3..... | B..... | B..... | B..... | C..... |
| | 4..... | A..... | A..... | B..... | B..... |
| C | 1..... | C..... | D..... | F..... | X..... |
| | 2..... | C..... | C..... | D..... | G..... |
| | 3..... | B..... | C..... | C..... | D..... |
| | 4..... | B..... | B..... | C..... | C..... |
| D | 1..... | D..... | G..... | X..... | X..... |
| | 2..... | D..... | D..... | X..... | X..... |
| | 3..... | C..... | D..... | D..... | X..... |
| | 4..... | C..... | C..... | D..... | D..... |
| E | 1..... | E..... | X..... | X..... | X..... |
| | 2..... | D..... | E..... | X..... | X..... |
| | 3..... | C..... | D..... | E..... | X..... |
| | 4..... | C..... | C..... | D..... | E..... |
| F | 1..... | F..... | X..... | X..... | X..... |
| | 2..... | D..... | F..... | X..... | X..... |
| | 3..... | D..... | D..... | F..... | X..... |
| | 4..... | C..... | C..... | D..... | F..... |
| G | 1..... | G..... | X..... | X..... | X..... |
| | 2..... | E..... | G..... | X..... | X..... |
| | 3..... | D..... | D..... | G..... | X..... |
| | 4..... | C..... | D..... | D..... | G..... |

Enter the table by finding your CURRENT TISSUE CODE in the left hand column. Move to your right along your current LEVEL row. In the column corresponding to your intended LEVEL your new CURRENT TISSUE CODE is shown. If an **X** is shown then it is unsafe to change to that LEVEL until further de-saturation has taken place at your current LEVEL. Remain at your current LEVEL until you achieve a CURRENT TISSUE CODE that produces a valid code (A to G).

ALTITUDE/ATMOSPHERIC PRESSURE CHART



This chart can be used to determine which LEVEL set of Tables should be used when the altitude and a prevailing sea level atmospheric pressure are known. Weather forecasts usually provide atmospheric pressures corrected to sea level. By following the sea level atmospheric pressure vertically, and the known altitude horizontally, where these values meet the correct Level is shown. In borderline cases always choose the more punitive solution. Pressurised aircraft are assumed to maintain a cabin pressure equivalent to LEVEL 4 which should be used to cover such flights.