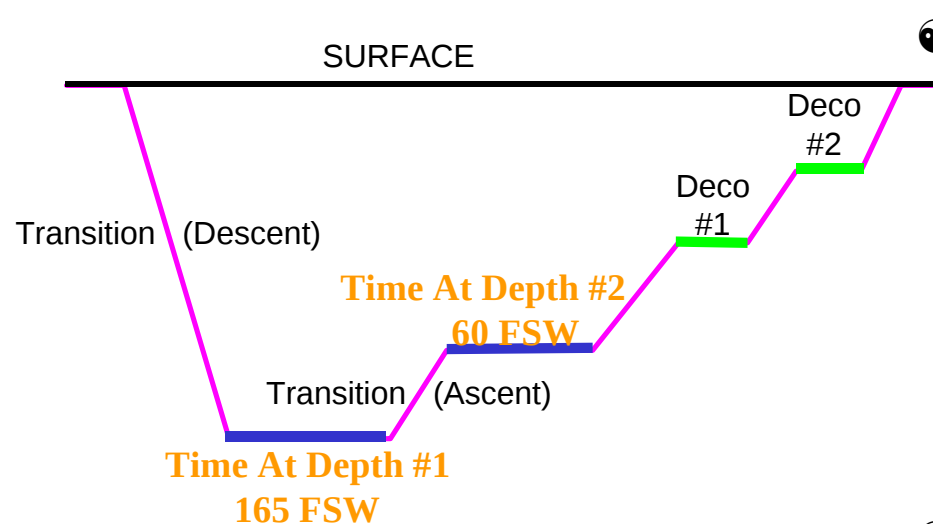


# Guidelines for Fire Test O2 Table Use

- ☯ Select the Table based on the 165 FSW Time At Depth (**TAD**) and the desired Safety Enhancement (**SE**)
  - ☺ SE=65 if 40 or older OR Hx undeserved DCS Hit
  - ☺ SE=55 if younger than 40 AND no Hx undeserved DCS
- ☯ If 165 or 60 Transition Time is LONGER than specified
  - ☺ ADD the excess to the 165 FSW Time at Depth
- ☯ If Transition Time is LESS than specified - no changes
- ☯ **NEVER** exceed the 30 FPM ascent rate!
- ☯ Ascend to 1st Deco Stop after 60 FSW test on AIR.
  - ☺ ALL Subsequent Deco Time on **OXGEN**
  - ☺ Ascent Delay on Air: Add Delay to Deco Time at Next Stop
  - ☺ Ascent Delay on **O2** Counts as Deco Time at Next Stop

# TIME AT DEPTH (Nobendem)



**Fire Extinguisher Checks  
take 3-4 Min at both  
165 and 60 FSW**

- ☯ The time spent at a depth, between reaching a given depth and the beginning of a depth change, prior to beginning decompression, measured in minutes.
- ☯ Abbreviated: **TAD**
- ☯ Used in Nobendem calculations where transition times are not included in bottom times

# Nobendem **Oxygen** Decompression Tables

Built-in Descent Time to 165 = 5:30 -- Ascent Time to 60 = 3:30

SE = Safety Enhancement :: Ascent & Descent Rate = 30 FPM

## Fire Suppression Test - **TAD 165 = 3 Min**

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 6<br>5 | 3                | 1:00                   | 4          | 0  | 7  |    | C              | 13                    | 28                    |
|        | 4                | 1:00                   | 4          | 0  | 7  |    | C              | 13                    | 29                    |
|        | 5                | 1:00                   | 4          | 0  | 8  |    | C              | 14                    | 31                    |
|        | 6                | 1:00                   | 4          | 0  | 8  |    | C              | 14                    | 32                    |

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 5<br>5 | 3                | 1:20                   |            |    | 2  | 5  | D              | 9                     | 24                    |
|        | 4                | 1:20                   |            |    | 2  | 5  | D              | 9                     | 25                    |
|        | 5                | 1:20                   |            |    | 2  | 5  | D              | 9                     | 26                    |
|        | 6                | 1:20                   |            |    | 2  | 6  | D              | 10                    | 28                    |

## Fire Suppression Test - **TAD 165 = 4 Min**

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 6<br>5 | 3                | 1:00                   | 5          | 0  | 8  |    | C              | 15                    | 31                    |
|        | 4                | 1:00                   | 5          | 0  | 8  |    | C              | 15                    | 32                    |
|        | 5                | 1:00                   | 5          | 0  | 9  |    | C              | 16                    | 34                    |
|        | 6                | 1:00                   | 5          | 0  | 10 |    | C              | 17                    | 36                    |

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 5<br>5 | 3                | 1:00                   | 3          | 0  | 5  |    | D              | 10                    | 26                    |
|        | 4                | 1:00                   | 3          | 0  | 6  |    | D              | 11                    | 28                    |
|        | 5                | 1:00                   | 3          | 0  | 6  |    | D              | 11                    | 29                    |
|        | 6                | 1:00                   | 3          | 0  | 7  |    | D              | 12                    | 31                    |

## Fire Suppression Test - **TAD 165 = 5 Min**

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 6<br>5 | 3                | :40                    | 3          | 0  | 12 | 0  | C              | 17                    | 34                    |
|        | 4                | :40                    | 3          | 0  | 13 | 0  | C              | 18                    | 36                    |
|        | 5                | 1:00                   | 6          | 0  | 10 |    | D              | 18                    | 37                    |
|        | 6                | 1:00                   | 6          | 0  | 11 |    | D              | 19                    | 39                    |

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 5<br>5 | 3                | 1:00                   | 3          | 0  | 7  |    | D              | 12                    | 29                    |
|        | 4                | 1:00                   | 3          | 0  | 8  |    | D              | 13                    | 31                    |
|        | 5                | 1:00                   | 3          | 0  | 8  |    | D              | 13                    | 32                    |
|        | 6                | 1:00                   | 3          | 0  | 9  |    | D              | 14                    | 34                    |

# Nobendem **Oxygen** Decompression Tables

Built-in Descent Time to 165 = 5:30 -- Ascent Time to 60 = 3:30

SE = Safety Enhancement :: Ascent & Descent Rate = 30 FPM

## Fire Suppression Test - **TAD 165 = 6 Min**

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 6<br>5 | 3                | :40                    | 3          | o  | 14 | o  | C              | 19                    | 37                    |
|        | 4                | :40                    | 3          | o  | 14 | o  | D              | 19                    | 38                    |
|        | 5                | :40                    | 3          | o  | 15 | o  | D              | 20                    | 40                    |
|        | 6                | :40                    | 3          | o  | 15 | o  | D              | 20                    | 41                    |

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 5<br>5 | 3                | 1:00                   | 4          | o  | 8  |    | D              | 14                    | 32                    |
|        | 4                | 1:00                   | 4          | o  | 9  |    | D              | 15                    | 34                    |
|        | 5                | 1:00                   | 4          | o  | 9  |    | D              | 15                    | 35                    |
|        | 6                | 1:00                   | 4          | o  | 10 |    | D              | 16                    | 37                    |

## Fire Suppression Test - **TAD 165 = 7 Min**

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 6<br>5 | 3                | :40                    | 3          | o  | 16 | o  | D              | 21                    | 40                    |
|        | 4                | :40                    | 3          | o  | 16 | o  | D              | 21                    | 41                    |
|        | 5                | :40                    | 3          | o  | 17 | o  | D              | 22                    | 43                    |
|        | 6                | :40                    | 3          | o  | 17 | o  | D              | 22                    | 44                    |

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 5<br>5 | 3                | 1:00                   | 5          | o  | 9  |    | D              | 16                    | 35                    |
|        | 4                | 1:00                   | 5          | o  | 10 |    | D              | 17                    | 37                    |
|        | 5                | 1:00                   | 5          | o  | 10 |    | D              | 17                    | 38                    |
|        | 6                | 1:00                   | 5          | o  | 10 |    | E              | 17                    | 39                    |

## Fire Suppression Test - **TAD 165 = 8 Min**

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 6<br>5 | 3                | :40                    | 4          | o  | 17 | o  | D              | 23                    | 43                    |
|        | 4                | :40                    | 4          | o  | 17 | o  | D              | 23                    | 44                    |
|        | 5                | :40                    | 4          | o  | 18 | o  | D              | 24                    | 46                    |
|        | 6                | :40                    | 4          | o  | 18 | o  | D              | 24                    | 47                    |

| S<br>E | Time<br>At<br>60 | Time<br>to 1st<br>Stop | Deco Stops |    |    |    | Repet<br>Group | Total<br>Deco<br>Time | Total<br>Dive<br>Time |
|--------|------------------|------------------------|------------|----|----|----|----------------|-----------------------|-----------------------|
|        |                  |                        | 40         | 30 | 20 | 10 |                |                       |                       |
| 5<br>5 | 3                | 1:00                   | 6          | o  | 10 |    | D              | 18                    | 38                    |
|        | 4                | 1:00                   | 6          | o  | 10 |    | E              | 18                    | 39                    |
|        | 5                | 1:00                   | 6          | o  | 11 |    | E              | 19                    | 41                    |
|        | 6                | 1:00                   | 6          | o  | 11 |    | E              | 19                    | 42                    |

## **To & From 165 FSW At 30 FPM**

| <b>Descent Time</b> | <b>Depth</b> | <b>Ascent Time</b> |
|---------------------|--------------|--------------------|
| <b>0:00</b>         | <b>00</b>    |                    |
| <b>0:30</b>         | <b>15</b>    |                    |
| <b>1:00</b>         | <b>30</b>    |                    |
| <b>1:30</b>         | <b>45</b>    |                    |
| <b>2:00</b>         | <b>60</b>    | <b>3:30</b>        |
| <b>2:30</b>         | <b>75</b>    | <b>3:00</b>        |
| <b>3:00</b>         | <b>90</b>    | <b>2:30</b>        |
| <b>3:30</b>         | <b>105</b>   | <b>2:00</b>        |
| <b>4:00</b>         | <b>120</b>   | <b>1:30</b>        |
| <b>4:30</b>         | <b>135</b>   | <b>1:00</b>        |
| <b>5:00</b>         | <b>150</b>   | <b>0:30</b>        |
| <b>5:30</b>         | <b>165</b>   | <b>0:00</b>        |