

| TEMP: 220 ± 10C                                                                 |      |                | PHASE 1                    |     |     |                          | PHASE 2    |        | PHASE 3         | PHASE 4                  |                         |     |     | PHASE 5                                           |              |              |
|---------------------------------------------------------------------------------|------|----------------|----------------------------|-----|-----|--------------------------|------------|--------|-----------------|--------------------------|-------------------------|-----|-----|---------------------------------------------------|--------------|--------------|
| Pipe Details<br>(e <sub>n</sub> = Wall Thickness)<br>Max e <sub>n</sub> = 130mm |      |                | Equalising                 |     |     |                          | Preheating |        | Changeover Time | Joining<br>(See Note a ) |                         |     |     | Minimum Cool Time Under Pressure<br>(See Note b ) |              |              |
|                                                                                 |      |                | Equalising Pressure<br>BAR |     |     | Bead Height<br>(Minimum) |            |        |                 | Buildup Time             | Joining Pressure<br>BAR |     |     | Up to 15°C                                        | 15°C to 25°C | 25°C to 40°C |
| D <sub>n</sub>                                                                  | SDR  | e <sub>n</sub> | Min                        | Tgt | Max | mm                       | BAR        | Time   | Max             | Max                      | Min                     | Tgt | Max |                                                   |              |              |
| 90                                                                              | 41   | 2.2            | 1                          | 1   | 1   | 0.5                      | 0.04       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 33   | 2.7            | 1                          | 1   | 1   | 0.5                      | 0.04       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 26   | 3.5            | 1                          | 1   | 1   | 0.5                      | 0.05       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 21   | 4.3            | 1                          | 1   | 1   | 0.5                      | 0.06       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 17   | 5.3            | 1                          | 1   | 1   | 1.0                      | 0.08       | 0m 51s | 5.3s            | 5.3s                     | 1                       | 1   | 1   | 0h 4m                                             | 0h 6m        | 0h 7m        |
|                                                                                 | 13.6 | 6.6            | 1                          | 1   | 1   | 1.0                      | 0.09       | 1m 10s | 6s              | 6s                       | 1                       | 1   | 1   | 0h 6m                                             | 0h 7m        | 0h 9m        |
|                                                                                 | 11   | 8.2            | 2                          | 2   | 2   | 1.5                      | 0.11       | 1m 21s | 6.5s            | 6.5s                     | 2                       | 2   | 2   | 0h 7m                                             | 0h 8m        | 0h 11m       |
|                                                                                 | 9    | 10.0           | 2                          | 2   | 2   | 1.5                      | 0.13       | 1m 43s | 7.4s            | 7.4s                     | 2                       | 2   | 2   | 0h 8m                                             | 0h 10m       | 0h 13m       |
| 110                                                                             | 7.4  | 12.2           | 2                          | 2   | 2   | 2.0                      | 0.15       | 2m 0s  | 8s              | 8s                       | 2                       | 2   | 2   | 0h 10m                                            | 0h 12m       | 0h 16m       |
|                                                                                 | 41   | 2.7            | 1                          | 1   | 1   | 0.5                      | 0.05       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 33   | 3.3            | 1                          | 1   | 1   | 0.5                      | 0.06       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 26   | 4.2            | 1                          | 1   | 1   | 0.5                      | 0.08       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 21   | 5.2            | 1                          | 1   | 1   | 1.0                      | 0.09       | 0m 51s | 5.3s            | 5.3s                     | 1                       | 1   | 1   | 0h 4m                                             | 0h 6m        | 0h 7m        |
|                                                                                 | 17   | 6.5            | 2                          | 2   | 2   | 1.0                      | 0.11       | 1m 4s  | 5.8s            | 5.8s                     | 2                       | 2   | 2   | 0h 5m                                             | 0h 7m        | 0h 8m        |
|                                                                                 | 13.6 | 8.1            | 2                          | 2   | 2   | 1.5                      | 0.13       | 1m 21s | 6.5s            | 6.5s                     | 2                       | 2   | 2   | 0h 7m                                             | 0h 8m        | 0h 11m       |
|                                                                                 | 11   | 10.0           | 2                          | 2   | 3   | 1.5                      | 0.16       | 1m 43s | 7.4s            | 7.4s                     | 2                       | 2   | 3   | 0h 8m                                             | 0h 10m       | 0h 13m       |
| 125                                                                             | 9    | 12.2           | 3                          | 3   | 3   | 2.0                      | 0.19       | 2m 0s  | 8s              | 8s                       | 3                       | 3   | 3   | 0h 10m                                            | 0h 12m       | 0h 16m       |
|                                                                                 | 7.4  | 14.9           | 3                          | 3   | 4   | 2.0                      | 0.23       | 2m 27s | 8.8s            | 9.2s                     | 3                       | 3   | 4   | 0h 11m                                            | 0h 14m       | 0h 19m       |
|                                                                                 | 41   | 3.0            | 1                          | 1   | 1   | 0.5                      | 0.06       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 33   | 3.8            | 1                          | 1   | 1   | 0.5                      | 0.08       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 26   | 4.8            | 1                          | 1   | 2   | 1.0                      | 0.10       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 2   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 21   | 6.0            | 2                          | 2   | 2   | 1.0                      | 0.12       | 0m 58s | 5.5s            | 5.5s                     | 2                       | 2   | 2   | 0h 5m                                             | 0h 6m        | 0h 8m        |
|                                                                                 | 17   | 7.4            | 2                          | 2   | 2   | 1.5                      | 0.14       | 1m 10s | 6s              | 6s                       | 2                       | 2   | 2   | 0h 6m                                             | 0h 8m        | 0h 10m       |
|                                                                                 | 13.6 | 9.2            | 2                          | 3   | 3   | 1.5                      | 0.17       | 1m 32s | 6.9s            | 6.9s                     | 2                       | 3   | 3   | 0h 7m                                             | 0h 9m        | 0h 12m       |
| 140                                                                             | 11   | 11.4           | 3                          | 3   | 3   | 1.5                      | 0.21       | 1m 55s | 7.8s            | 7.8s                     | 3                       | 3   | 3   | 0h 9m                                             | 0h 11m       | 0h 14m       |
|                                                                                 | 9    | 13.9           | 3                          | 4   | 4   | 2.0                      | 0.25       | 2m 16s | 8.5s            | 8.7s                     | 3                       | 4   | 4   | 0h 11m                                            | 0h 13m       | 0h 17m       |
|                                                                                 | 7.4  | 16.9           | 4                          | 4   | 5   | 2.0                      | 0.29       | 2m 49s | 9.4s            | 10.1s                    | 4                       | 4   | 5   | 0h 12m                                            | 0h 16m       | 0h 21m       |
|                                                                                 | 41   | 3.4            | 1                          | 1   | 1   | 0.5                      | 0.08       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 1   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 33   | 4.2            | 1                          | 1   | 2   | 0.5                      | 0.10       | 0m 45s | 5s              | 5s                       | 1                       | 1   | 2   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 26   | 5.4            | 2                          | 2   | 2   | 1.0                      | 0.12       | 0m 51s | 5.3s            | 5.3s                     | 2                       | 2   | 2   | 0h 4m                                             | 0h 6m        | 0h 7m        |
|                                                                                 | 21   | 6.7            | 2                          | 2   | 2   | 1.0                      | 0.14       | 1m 10s | 6s              | 6s                       | 2                       | 2   | 2   | 0h 6m                                             | 0h 7m        | 0h 9m        |
|                                                                                 | 17   | 8.2            | 2                          | 3   | 3   | 1.5                      | 0.18       | 1m 21s | 6.5s            | 6.5s                     | 2                       | 3   | 3   | 0h 7m                                             | 0h 8m        | 0h 11m       |
|                                                                                 | 13.6 | 10.3           | 3                          | 3   | 3   | 1.5                      | 0.21       | 1m 43s | 7.4s            | 7.4s                     | 3                       | 3   | 3   | 0h 8m                                             | 0h 10m       | 0h 13m       |
|                                                                                 | 11   | 12.7           | 4                          | 4   | 4   | 2.0                      | 0.26       | 2m 5s  | 8.2s            | 8.3s                     | 4                       | 4   | 4   | 0h 10m                                            | 0h 13m       | 0h 16m       |
|                                                                                 | 9    | 15.6           | 4                          | 5   | 5   | 2.0                      | 0.31       | 2m 38s | 9.1s            | 9.7s                     | 4                       | 5   | 5   | 0h 12m                                            | 0h 15m       | 0h 20m       |
|                                                                                 | 7.4  | 18.9           | 5                          | 5   | 6   | 2.0                      | 0.36       | 3m 10s | 10s             | 11s                      | 5                       | 5   | 6   | 0h 14m                                            | 0h 18m       | 0h 23m       |

| TEMP: 220 ± 10C                                                                 |      |                | PHASE 1                    |     |     |                          | PHASE 2    |        | PHASE 3            | PHASE 4                  |                         |     |     | PHASE 5                                           |              |              |
|---------------------------------------------------------------------------------|------|----------------|----------------------------|-----|-----|--------------------------|------------|--------|--------------------|--------------------------|-------------------------|-----|-----|---------------------------------------------------|--------------|--------------|
| Pipe Details<br>(e <sub>n</sub> = Wall Thickness)<br>Max e <sub>n</sub> = 130mm |      |                | Equalising                 |     |     |                          | Preheating |        | Changeover<br>Time | Joining<br>(See Note a ) |                         |     |     | Minimum Cool Time Under Pressure<br>(See Note b ) |              |              |
|                                                                                 |      |                | Equalising Pressure<br>BAR |     |     | Bead Height<br>(Minimum) |            |        |                    | Buildup Time             | Joining Pressure<br>BAR |     |     | Up to 15°C                                        | 15°C to 25°C | 25°C to 40°C |
| D <sub>n</sub>                                                                  | SDR  | e <sub>n</sub> | Min                        | Tgt | Max | mm                       | BAR        | Time   | Max                | Max                      | Min                     | Tgt | Max |                                                   |              |              |
| 160                                                                             | 41   | 3.9            | 1                          | 2   | 2   | 0.5                      | 0.10       | 0m 45s | 5s                 | 5s                       | 1                       | 2   | 2   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 33   | 4.8            | 2                          | 2   | 2   | 1.0                      | 0.12       | 0m 45s | 5s                 | 5s                       | 2                       | 2   | 2   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 26   | 6.2            | 2                          | 2   | 2   | 1.0                      | 0.15       | 1m 4s  | 5.8s               | 5.8s                     | 2                       | 2   | 2   | 0h 5m                                             | 0h 7m        | 0h 8m        |
|                                                                                 | 21   | 7.6            | 3                          | 3   | 3   | 1.5                      | 0.19       | 1m 16s | 6.3s               | 6.3s                     | 3                       | 3   | 3   | 0h 6m                                             | 0h 8m        | 0h 10m       |
|                                                                                 | 17   | 9.4            | 3                          | 3   | 4   | 1.5                      | 0.23       | 1m 32s | 6.9s               | 6.9s                     | 3                       | 3   | 4   | 0h 7m                                             | 0h 9m        | 0h 12m       |
|                                                                                 | 13.6 | 11.8           | 4                          | 4   | 4   | 1.5                      | 0.28       | 2m 0s  | 8s                 | 8s                       | 4                       | 4   | 4   | 0h 9m                                             | 0h 12m       | 0h 15m       |
|                                                                                 | 11   | 14.5           | 5                          | 5   | 5   | 2.0                      | 0.34       | 2m 27s | 8.8s               | 9.2s                     | 5                       | 5   | 5   | 0h 11m                                            | 0h 14m       | 0h 19m       |
|                                                                                 | 9    | 17.8           | 6                          | 6   | 6   | 2.0                      | 0.40       | 2m 59s | 9.7s               | 10.6s                    | 6                       | 6   | 6   | 0h 13m                                            | 0h 17m       | 0h 22m       |
| 180                                                                             | 7.4  | 21.6           | 7                          | 7   | 8   | 2.5                      | 0.47       | 3m 37s | 10.8s              | 12.2s                    | 7                       | 7   | 8   | 0h 16m                                            | 0h 20m       | 0h 27m       |
|                                                                                 | 41   | 4.4            | 2                          | 2   | 2   | 0.5                      | 0.13       | 0m 45s | 5s                 | 5s                       | 2                       | 2   | 2   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 33   | 5.5            | 2                          | 2   | 2   | 1.0                      | 0.15       | 0m 51s | 5.3s               | 5.3s                     | 2                       | 2   | 2   | 0h 4m                                             | 0h 6m        | 0h 7m        |
|                                                                                 | 26   | 6.9            | 3                          | 3   | 3   | 1.0                      | 0.19       | 1m 10s | 6s                 | 6s                       | 3                       | 3   | 3   | 0h 6m                                             | 0h 7m        | 0h 9m        |
|                                                                                 | 21   | 8.6            | 3                          | 4   | 4   | 1.5                      | 0.24       | 1m 27s | 6.7s               | 6.7s                     | 3                       | 4   | 4   | 0h 7m                                             | 0h 9m        | 0h 11m       |
|                                                                                 | 17   | 10.6           | 4                          | 4   | 5   | 1.5                      | 0.29       | 1m 49s | 7.6s               | 7.6s                     | 4                       | 4   | 5   | 0h 9m                                             | 0h 11m       | 0h 14m       |
|                                                                                 | 13.6 | 13.2           | 5                          | 5   | 6   | 2.0                      | 0.35       | 2m 11s | 8.4s               | 8.5s                     | 5                       | 5   | 6   | 0h 10m                                            | 0h 13m       | 0h 17m       |
|                                                                                 | 11   | 16.4           | 6                          | 6   | 7   | 2.0                      | 0.43       | 2m 43s | 9.3s               | 9.9s                     | 6                       | 6   | 7   | 0h 12m                                            | 0h 16m       | 0h 20m       |
| 200                                                                             | 9    | 20.0           | 7                          | 8   | 8   | 2.5                      | 0.51       | 3m 21s | 10.4s              | 11.5s                    | 7                       | 8   | 8   | 0h 15m                                            | 0h 19m       | 0h 25m       |
|                                                                                 | 7.4  | 24.3           | 8                          | 9   | 10  | 2.5                      | 0.60       | 4m 4s  | 11.6s              | 13.4s                    | 8                       | 9   | 10  | 0h 18m                                            | 0h 22m       | 0h 30m       |
|                                                                                 | 41   | 4.9            | 2                          | 2   | 2   | 1.0                      | 0.15       | 0m 45s | 5s                 | 5s                       | 2                       | 2   | 2   | 0h 4m                                             | 0h 5m        | 0h 7m        |
|                                                                                 | 33   | 6.1            | 3                          | 3   | 3   | 1.0                      | 0.19       | 1m 4s  | 5.8s               | 5.8s                     | 3                       | 3   | 3   | 0h 5m                                             | 0h 7m        | 0h 8m        |
|                                                                                 | 26   | 7.7            | 3                          | 4   | 4   | 1.5                      | 0.24       | 1m 16s | 6.3s               | 6.3s                     | 3                       | 4   | 4   | 0h 6m                                             | 0h 8m        | 0h 10m       |
|                                                                                 | 21   | 9.5            | 4                          | 4   | 5   | 1.5                      | 0.29       | 1m 38s | 7.2s               | 7.2s                     | 4                       | 4   | 5   | 0h 8m                                             | 0h 10m       | 0h 13m       |
|                                                                                 | 17   | 11.8           | 5                          | 5   | 6   | 1.5                      | 0.35       | 2m 0s  | 8s                 | 8s                       | 5                       | 5   | 6   | 0h 9m                                             | 0h 12m       | 0h 15m       |
|                                                                                 | 13.6 | 14.7           | 6                          | 7   | 7   | 2.0                      | 0.43       | 2m 27s | 8.8s               | 9.2s                     | 6                       | 7   | 7   | 0h 11m                                            | 0h 14m       | 0h 19m       |
| 225                                                                             | 11   | 18.2           | 7                          | 8   | 8   | 2.0                      | 0.52       | 3m 5s  | 9.9s               | 10.8s                    | 7                       | 8   | 8   | 0h 13m                                            | 0h 17m       | 0h 23m       |
|                                                                                 | 9    | 22.2           | 9                          | 9   | 10  | 2.5                      | 0.62       | 3m 42s | 11s                | 12.4s                    | 9                       | 9   | 10  | 0h 16m                                            | 0h 21m       | 0h 28m       |
|                                                                                 | 7.4  | 27.0           | 10                         | 11  | 12  | 3.0                      | 0.74       | 4m 31s | 12.4s              | 14.5s                    | 10                      | 11  | 12  | 0h 20m                                            | 0h 25m       | 0h 33m       |
|                                                                                 | 41   | 5.5            | 3                          | 3   | 3   | 1.0                      | 0.19       | 0m 51s | 5.3s               | 5.3s                     | 3                       | 3   | 3   | 0h 4m                                             | 0h 6m        | 0h 7m        |
|                                                                                 | 33   | 6.8            | 3                          | 4   | 4   | 1.0                      | 0.24       | 1m 10s | 6s                 | 6s                       | 3                       | 4   | 4   | 0h 6m                                             | 0h 7m        | 0h 9m        |
|                                                                                 | 26   | 8.7            | 4                          | 5   | 5   | 1.5                      | 0.30       | 1m 27s | 6.7s               | 6.7s                     | 4                       | 5   | 5   | 0h 7m                                             | 0h 9m        | 0h 11m       |
|                                                                                 | 21   | 10.7           | 5                          | 6   | 6   | 1.5                      | 0.37       | 1m 49s | 7.6s               | 7.6s                     | 5                       | 6   | 6   | 0h 9m                                             | 0h 11m       | 0h 14m       |
|                                                                                 | 17   | 13.2           | 6                          | 7   | 7   | 2.0                      | 0.44       | 2m 11s | 8.4s               | 8.5s                     | 6                       | 7   | 7   | 0h 10m                                            | 0h 13m       | 0h 17m       |
|                                                                                 | 13.6 | 16.5           | 8                          | 8   | 9   | 2.0                      | 0.55       | 2m 49s | 9.4s               | 10.1s                    | 8                       | 8   | 9   | 0h 12m                                            | 0h 16m       | 0h 21m       |
|                                                                                 | 11   | 20.5           | 9                          | 10  | 11  | 2.5                      | 0.66       | 3m 21s | 10.4s              | 11.5s                    | 9                       | 10  | 11  | 0h 15m                                            | 0h 19m       | 0h 25m       |
|                                                                                 | 9    | 25.0           | 11                         | 12  | 13  | 2.5                      | 0.79       | 4m 15s | 11.9s              | 13.8s                    | 11                      | 12  | 13  | 0h 18m                                            | 0h 23m       | 0h 31m       |
|                                                                                 | 7.4  | 30.4           | 13                         | 14  | 15  | 3.0                      | 0.93       | 5m 2s  | 13.6s              | 16s                      | 13                      | 14  | 15  | 0h 22m                                            | 0h 28m       | 0h 37m       |

| TEMP: 220 ± 10C                                                                 |      |                | PHASE 1                    |     |     |                          | PHASE 2    |        | PHASE 3         | PHASE 4                  |                         |     |     | PHASE 5                                           |              |              |
|---------------------------------------------------------------------------------|------|----------------|----------------------------|-----|-----|--------------------------|------------|--------|-----------------|--------------------------|-------------------------|-----|-----|---------------------------------------------------|--------------|--------------|
| Pipe Details<br>(e <sub>n</sub> = Wall Thickness)<br>Max e <sub>n</sub> = 130mm |      |                | Equalising                 |     |     |                          | Preheating |        | Changeover Time | Joining<br>(See Note a ) |                         |     |     | Minimum Cool Time Under Pressure<br>(See Note b ) |              |              |
|                                                                                 |      |                | Equalising Pressure<br>BAR |     |     | Bead Height<br>(Minimum) |            |        |                 | Buildup Time             | Joining Pressure<br>BAR |     |     | Up to 15°C                                        | 15°C to 25°C | 25°C to 40°C |
| D <sub>n</sub>                                                                  | SDR  | e <sub>n</sub> | Min                        | Tgt | Max | mm                       | BAR        | Time   | Max             | Max                      | Min                     | Tgt | Max |                                                   |              |              |
| 250                                                                             | 41   | 6.1            | 3                          | 4   | 4   | 1.0                      | 0.24       | 1m 4s  | 5.8s            | 5.8s                     | 3                       | 4   | 4   | 0h 5m                                             | 0h 7m        | 0h 8m        |
|                                                                                 | 33   | 7.6            | 4                          | 4   | 5   | 1.5                      | 0.29       | 1m 16s | 6.3s            | 6.3s                     | 4                       | 4   | 5   | 0h 6m                                             | 0h 8m        | 0h 10m       |
|                                                                                 | 26   | 9.6            | 5                          | 6   | 6   | 1.5                      | 0.37       | 1m 38s | 7.2s            | 7.2s                     | 5                       | 6   | 6   | 0h 8m                                             | 0h 10m       | 0h 13m       |
|                                                                                 | 21   | 11.9           | 6                          | 7   | 7   | 1.5                      | 0.45       | 2m 0s  | 8s              | 8s                       | 6                       | 7   | 7   | 0h 9m                                             | 0h 12m       | 0h 15m       |
|                                                                                 | 17   | 14.7           | 8                          | 8   | 9   | 2.0                      | 0.55       | 2m 27s | 8.8s            | 9.2s                     | 8                       | 8   | 9   | 0h 11m                                            | 0h 14m       | 0h 19m       |
|                                                                                 | 13.6 | 18.4           | 9                          | 10  | 11  | 2.0                      | 0.67       | 3m 5s  | 9.9s            | 10.8s                    | 9                       | 10  | 11  | 0h 13m                                            | 0h 17m       | 0h 23m       |
|                                                                                 | 11   | 22.7           | 11                         | 12  | 13  | 2.5                      | 0.82       | 3m 48s | 11.1s           | 12.7s                    | 11                      | 12  | 13  | 0h 17m                                            | 0h 21m       | 0h 28m       |
|                                                                                 | 9    | 27.8           | 14                         | 15  | 16  | 3.0                      | 0.97       | 4m 36s | 12.6s           | 14.8s                    | 14                      | 15  | 16  | 0h 20m                                            | 0h 25m       | 0h 34m       |
| 280                                                                             | 7.4  | 33.8           | 16                         | 17  | 18  | 3.0                      | 1.15       | 5m 39s | 14.9s           | 17.6s                    | 16                      | 17  | 18  | 0h 25m                                            | 0h 31m       | 0h 41m       |
|                                                                                 | 41   | 6.8            | 4                          | 4   | 5   | 1.0                      | 0.30       | 1m 10s | 6s              | 6s                       | 4                       | 4   | 5   | 0h 6m                                             | 0h 7m        | 0h 9m        |
|                                                                                 | 33   | 8.5            | 5                          | 6   | 6   | 1.5                      | 0.37       | 1m 21s | 6.5s            | 6.5s                     | 5                       | 6   | 6   | 0h 7m                                             | 0h 8m        | 0h 11m       |
|                                                                                 | 26   | 10.8           | 6                          | 7   | 7   | 1.5                      | 0.46       | 1m 49s | 7.6s            | 7.6s                     | 6                       | 7   | 7   | 0h 9m                                             | 0h 11m       | 0h 14m       |
|                                                                                 | 21   | 13.3           | 8                          | 8   | 9   | 2.0                      | 0.56       | 2m 11s | 8.4s            | 8.5s                     | 8                       | 8   | 9   | 0h 10m                                            | 0h 13m       | 0h 17m       |
|                                                                                 | 17   | 16.5           | 10                         | 10  | 11  | 2.0                      | 0.69       | 2m 43s | 9.3s            | 9.9s                     | 10                      | 10  | 11  | 0h 12m                                            | 0h 16m       | 0h 20m       |
|                                                                                 | 13.6 | 20.6           | 12                         | 13  | 14  | 2.5                      | 0.84       | 3m 26s | 10.5s           | 11.7s                    | 12                      | 13  | 14  | 0h 15m                                            | 0h 19m       | 0h 26m       |
|                                                                                 | 11   | 25.5           | 14                         | 15  | 16  | 2.5                      | 1.02       | 4m 15s | 11.9s           | 13.8s                    | 14                      | 15  | 16  | 0h 18m                                            | 0h 23m       | 0h 31m       |
| 315                                                                             | 9    | 31.1           | 17                         | 18  | 20  | 3.0                      | 1.22       | 5m 12s | 14s             | 16.4s                    | 17                      | 18  | 20  | 0h 23m                                            | 0h 29m       | 0h 38m       |
|                                                                                 | 7.4  | 37.8           | 20                         | 22  | 23  | 3.5                      | 1.44       | 6m 15s | 16.2s           | 19.3s                    | 20                      | 22  | 23  | 0h 27m                                            | 0h 35m       | 0h 46m       |
|                                                                                 | 41   | 7.7            | 5                          | 6   | 6   | 1.5                      | 0.38       | 1m 16s | 6.3s            | 6.3s                     | 5                       | 6   | 6   | 0h 6m                                             | 0h 8m        | 0h 10m       |
|                                                                                 | 33   | 9.5            | 7                          | 7   | 7   | 1.5                      | 0.46       | 1m 38s | 7.2s            | 7.2s                     | 7                       | 7   | 7   | 0h 8m                                             | 0h 10m       | 0h 13m       |
|                                                                                 | 26   | 12.1           | 8                          | 9   | 9   | 2.0                      | 0.58       | 2m 0s  | 8s              | 8s                       | 8                       | 9   | 9   | 0h 10m                                            | 0h 12m       | 0h 16m       |
|                                                                                 | 21   | 15.0           | 10                         | 11  | 11  | 2.0                      | 0.71       | 2m 32s | 9s              | 9.4s                     | 10                      | 11  | 11  | 0h 12m                                            | 0h 15m       | 0h 19m       |
|                                                                                 | 17   | 18.5           | 12                         | 13  | 14  | 2.0                      | 0.87       | 3m 10s | 10s             | 11s                      | 12                      | 13  | 14  | 0h 14m                                            | 0h 18m       | 0h 23m       |
|                                                                                 | 13.6 | 23.2           | 15                         | 16  | 17  | 2.5                      | 1.07       | 3m 53s | 11.3s           | 12.9s                    | 15                      | 16  | 17  | 0h 17m                                            | 0h 22m       | 0h 29m       |
| 315                                                                             | 11   | 28.6           | 18                         | 19  | 21  | 3.0                      | 1.29       | 4m 46s | 13s             | 15.2s                    | 18                      | 19  | 21  | 0h 21m                                            | 0h 26m       | 0h 35m       |
|                                                                                 | 9    | 35.0           | 22                         | 23  | 25  | 3.0                      | 1.54       | 5m 54s | 15.5s           | 18.3s                    | 22                      | 23  | 25  | 0h 26m                                            | 0h 32m       | 0h 43m       |
|                                                                                 | 7.4  | 42.6           | 26                         | 27  | 29  | 3.5                      | 1.82       | 7m 7s  | 17.8s           | 21.7s                    | 26                      | 27  | 29  | 0h 31m                                            | 0h 39m       | 0h 52m       |