

## Main dimensions

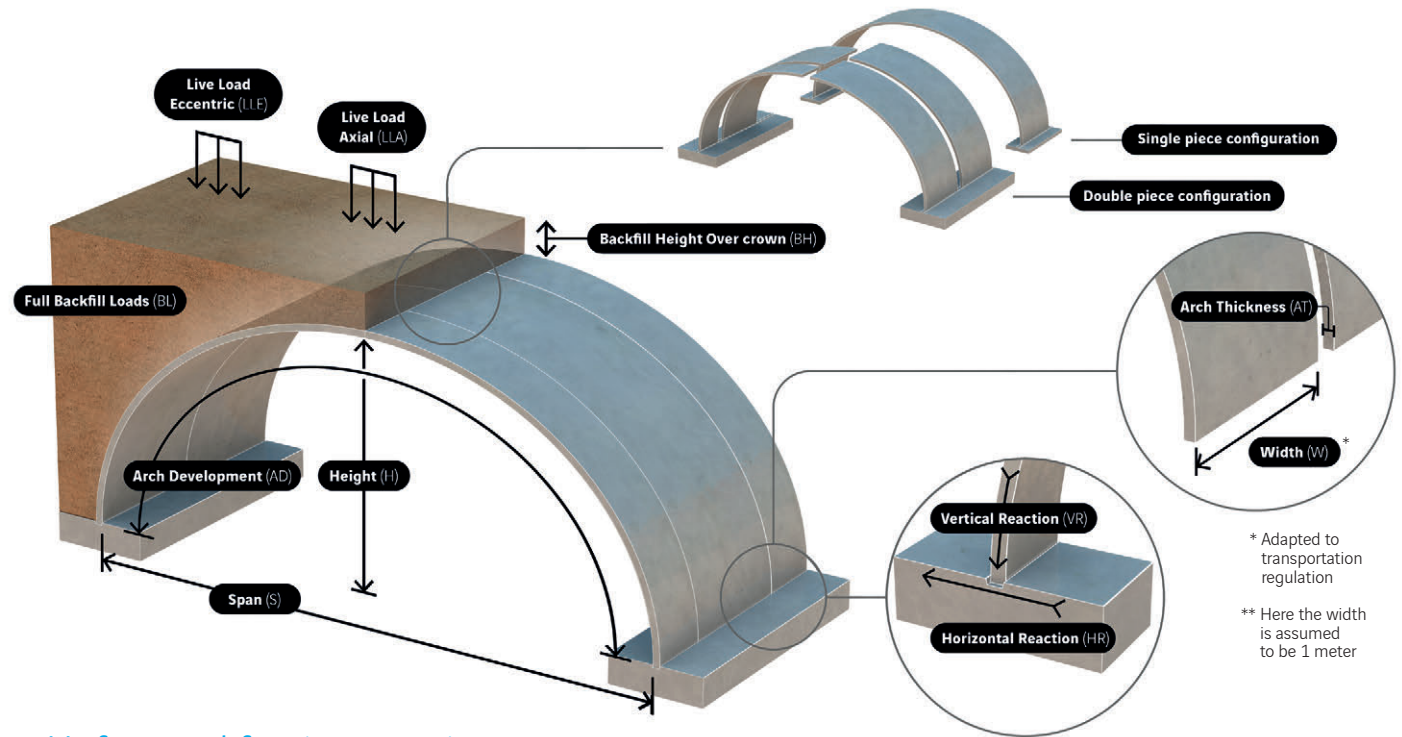
|                                       |        |
|---------------------------------------|--------|
| Arch configuration (piece)            | Double |
| Span - S (m)                          | 21,71  |
| Height - H (m)                        | 8,50   |
| Arch Thickness - AT (mm)              | 450    |
| Arch Development - AD (m)             | 30,95  |
| Element Weight per unit width (ton/m) | 17,41  |



## Hydraulic waterways

|                                    |        |
|------------------------------------|--------|
| Wet surface - WS (m <sup>2</sup> ) | 135,47 |
| Wet perimeter* WP (m)              | 41,33  |

\* dimensions given for 1 meter freeboard



\* Adapted to transportation regulation

\*\* Here the width is assumed to be 1 meter

## Unfactored footing reactions

|                              |                  | Backfill height over crown (BH) - BH ≥ 1 m |      |     |      |     |      |     |      |     |      |
|------------------------------|------------------|--|------|-----|------|-----|------|-----|------|-----|------|
|                              | Load combination | 1 m  |      | 2 m |      | 3 m |      | 4 m |      | 5 m |      |
|                              |                  | HR   | VR   | HR  | VR   | HR  | VR   | HR  | VR   | HR  | VR   |
| TS-F_2200/G reactions (kN/m) | Arch SW*         | 91   | 186  | 91  | 186  | 91  | 186  | 91  | 186  | 91  | 186  |
|                              | BL               | 102  | 825  | 176 | 1077 | 252 | 1331 | 329 | 1588 | 409 | 1849 |
|                              | LLA              | 171  | 974  | 246 | 1228 | 322 | 1482 | 398 | 1737 | 473 | 1991 |
|                              | LLE              | 212  | 1105 | 279 | 1339 | 347 | 1575 | 416 | 1813 | 486 | 2052 |
|                              | SH**             | -18  | 958  | 43  | 1214 | 119 | 1468 | 211 | 1720 | 317 | 1969 |
|                              | SV**             | 98   | 1002 | 183 | 1295 | 268 | 1590 | 354 | 1886 | 440 | 2184 |

\* Arch SW stands for arch self weight

\*\* SH and SV stand for horizontal/vertical seismic inertial loads. Live loads excluded

**Contact us to confirm compliance with local requirements**