

## Main dimensions

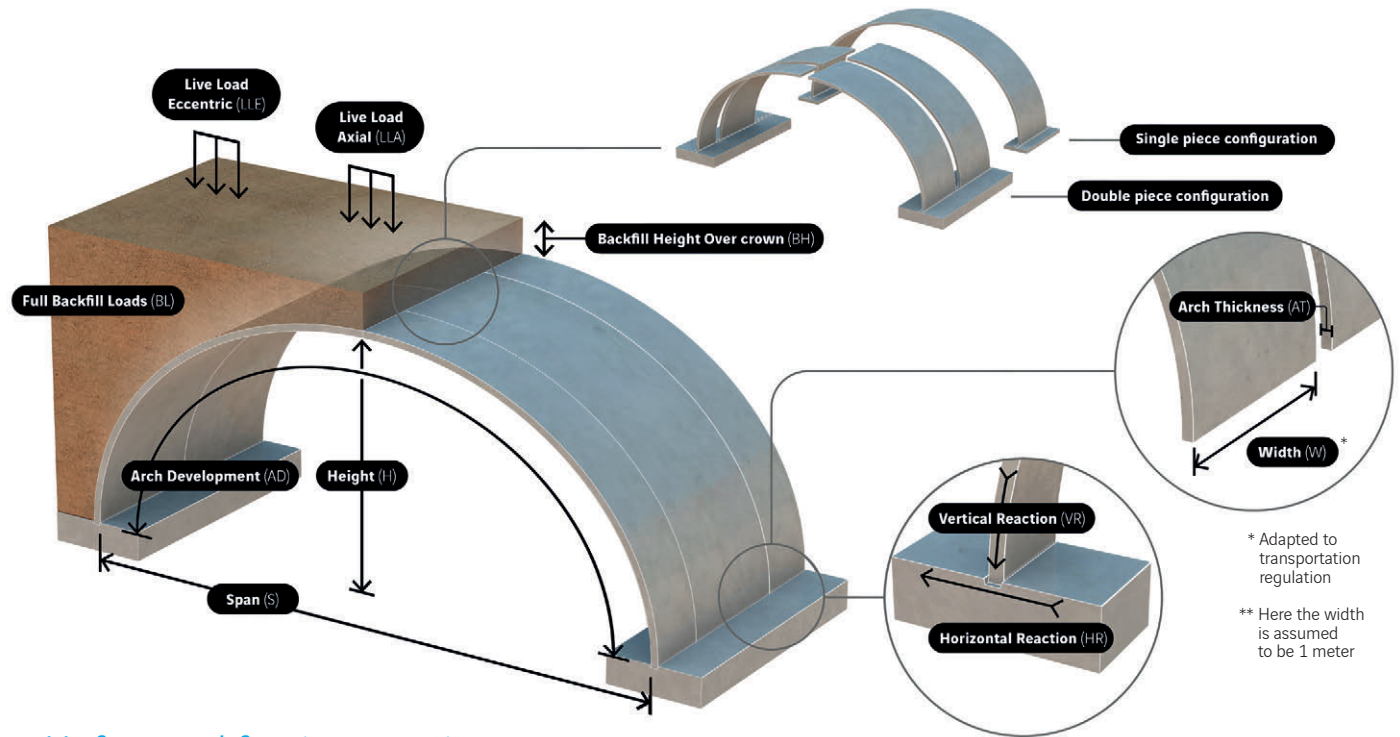
Arch configuration (piece)	Double
Span - S (m)	22,00
Height - H (m)	10,00
Arch Thickness - AT (mm)	450
Arch Development - AD (m)	33,97
Element Weight per unit width (ton/m)	19,11



## Hydraulic waterways

Wet surface - WS (m <sup>2</sup> )	168,99
Wet perimeter* WP (m)	44,63

\* 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/J reactions (kN/m)	Arch SW*	78	208	78	208	78	208	78	208	78	208
	BL	-9	895	28	1148	65	1403	103	1660	142	1921
	LLA	23	1022	62	1283	100	1542	137	1799	175	2054
	LLE	48	1203	81	1439	114	1678	149	1921	184	2169
	SH**	-144	1134	-105	1410	-67	1682	-29	1951	9	2217
	SV**	-34	1173	9	1472	52	1772	96	2074	141	2379

\* 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**