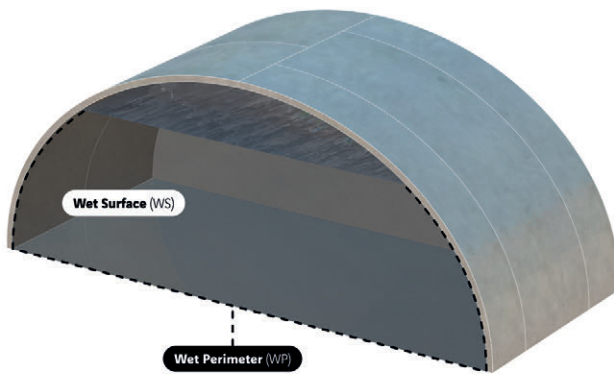


Main dimensions

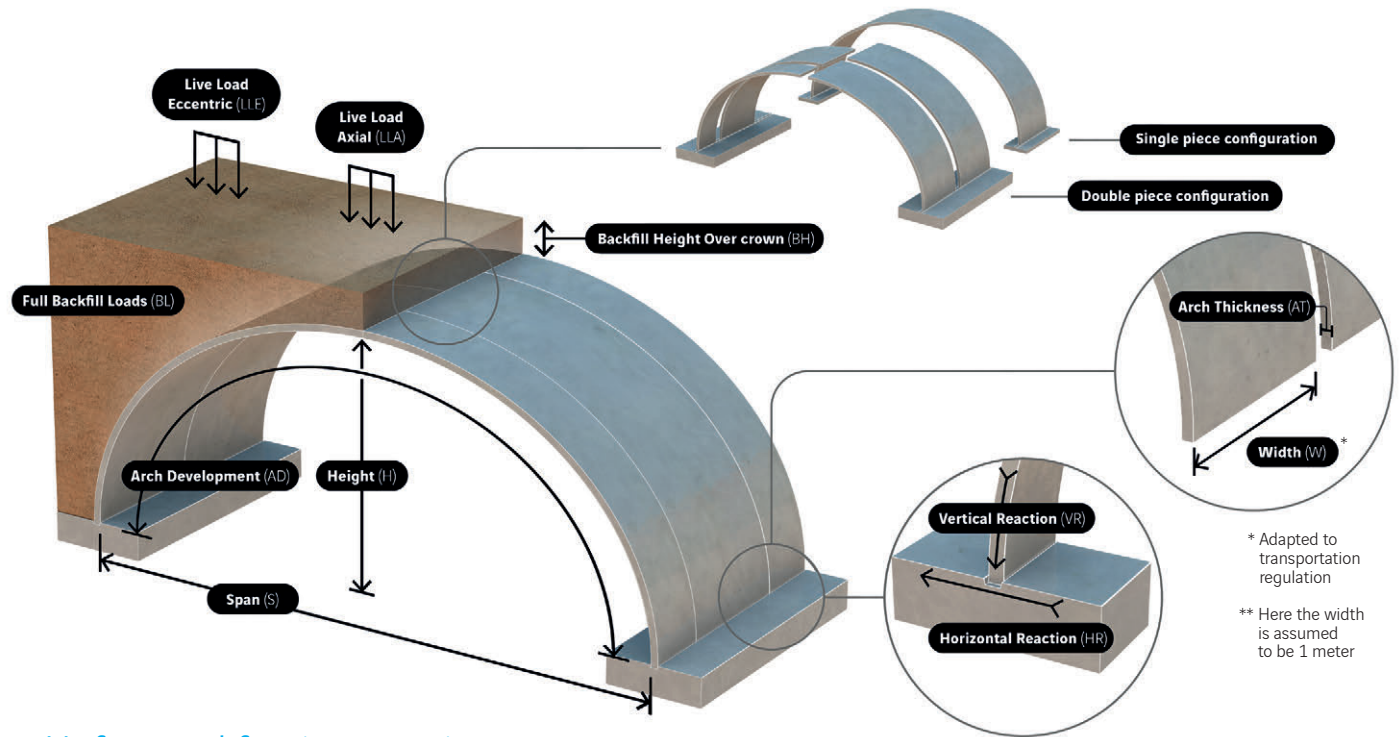
Arch configuration (piece)	Double
Span - S (m)	21,27
Height - H (m)	7,50
Arch Thickness - AT (mm)	450
Arch Development - AD (m)	28,90
Element Weight per unit width (ton/m)	16,26



Hydraulic waterways

Wet surface - WS (m ²)	113,97
Wet perimeter* WP (m)	38,84

* 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/E reactions (kN/m)	Arch SW*	102	179	102	179	102	179	102	179	102	179
	BL	169	790	269	1043	369	1299	470	1556	571	1814
	LLA	271	959	372	1217	470	1472	567	1724	662	1972
	LLE	306	1102	394	1334	484	1570	575	1808	668	2050
	SH**	44	903	89	1148	218	1399	431	1656	728	1919
	SV**	172	978	280	1264	390	1554	503	1849	617	2149

* 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