

Main dimensions

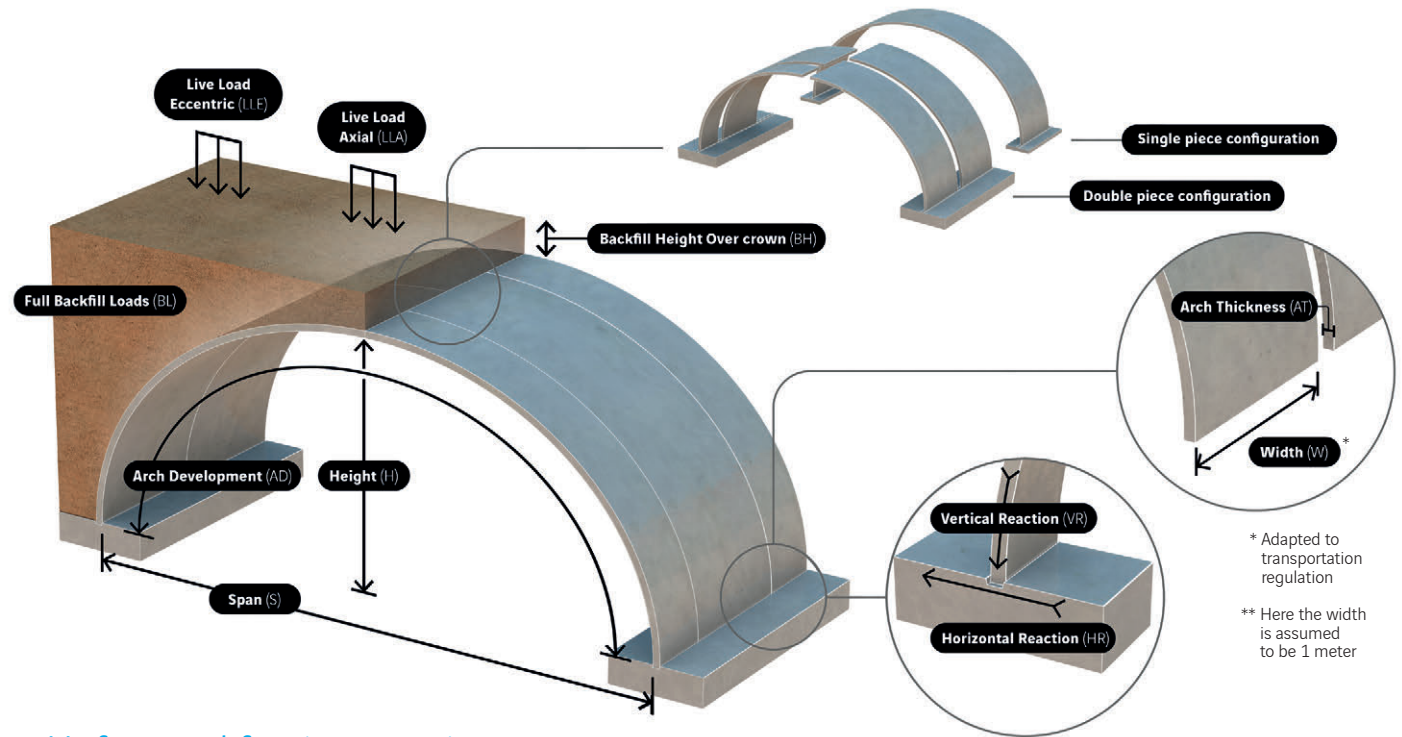
Arch configuration (piece)	Double
Span - S (m)	10,00
Height - H (m)	5,00
Arch Thickness - AT (mm)	250
Arch Development - AD (m)	16,44
Element Weight per unit width (ton/m)	5,14



Hydraulic waterways

Wet surface - WS (m ²)	36,31
Wet perimeter* WP (m)	19,06

* 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_1000/G reactions (kN/m)	Arch SW*	18	56	18	56	18	56	18	56	18	56
	BL	-21	257	-12	372	-2	489	8	607	18	726
	LLA	-2	380	7	490	16	598	24	706	32	813
	LLE	17	457	21	547	26	640	31	735	38	832
	SH**	-56	300	-52	423	-47	544	-41	665	-34	783
	SV**	-26	313	-19	452	-6	592	13	731	39	871

* 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