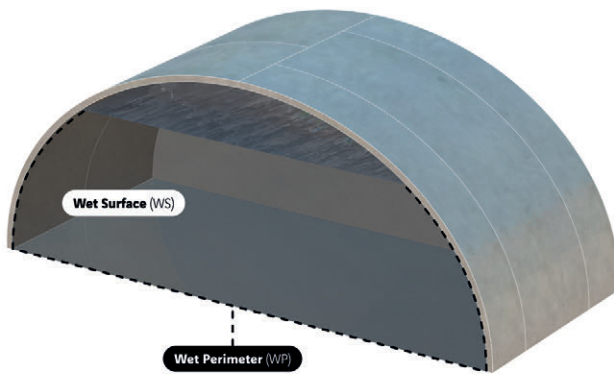


Main dimensions

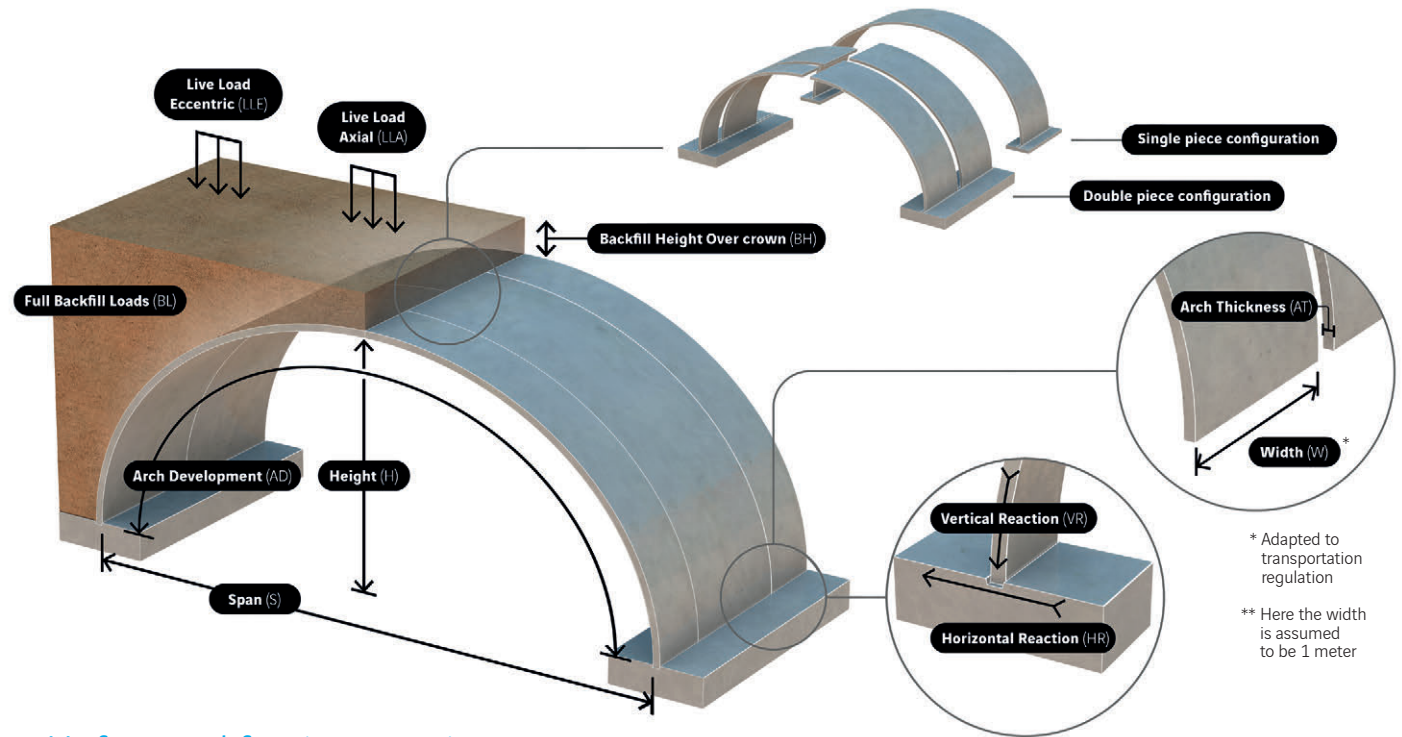
Arch configuration (piece)	Double
Span - S (m)	10,00
Height - H (m)	4,50
Arch Thickness - AT (mm)	250
Arch Development - AD (m)	15,44
Element Weight per unit width (ton/m)	4,83



Hydraulic waterways

Wet surface - WS (m ²)	31,31
Wet perimeter* WP (m)	18,06

* 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/F reactions (kN/m)	Arch SW*	20	53	20	53	20	53	20	53	20	53
	BL	0	247	20	363	40	481	61	600	81	719
	LLA	40	385	58	493	75	599	91	705	108	811
	LLE	59	453	69	542	81	633	95	728	109	826
	SH**	-36	276	-29	394	35	526	61	659	87	789
	SV**	-3	299	14	437	54	576	86	719	122	863

* 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