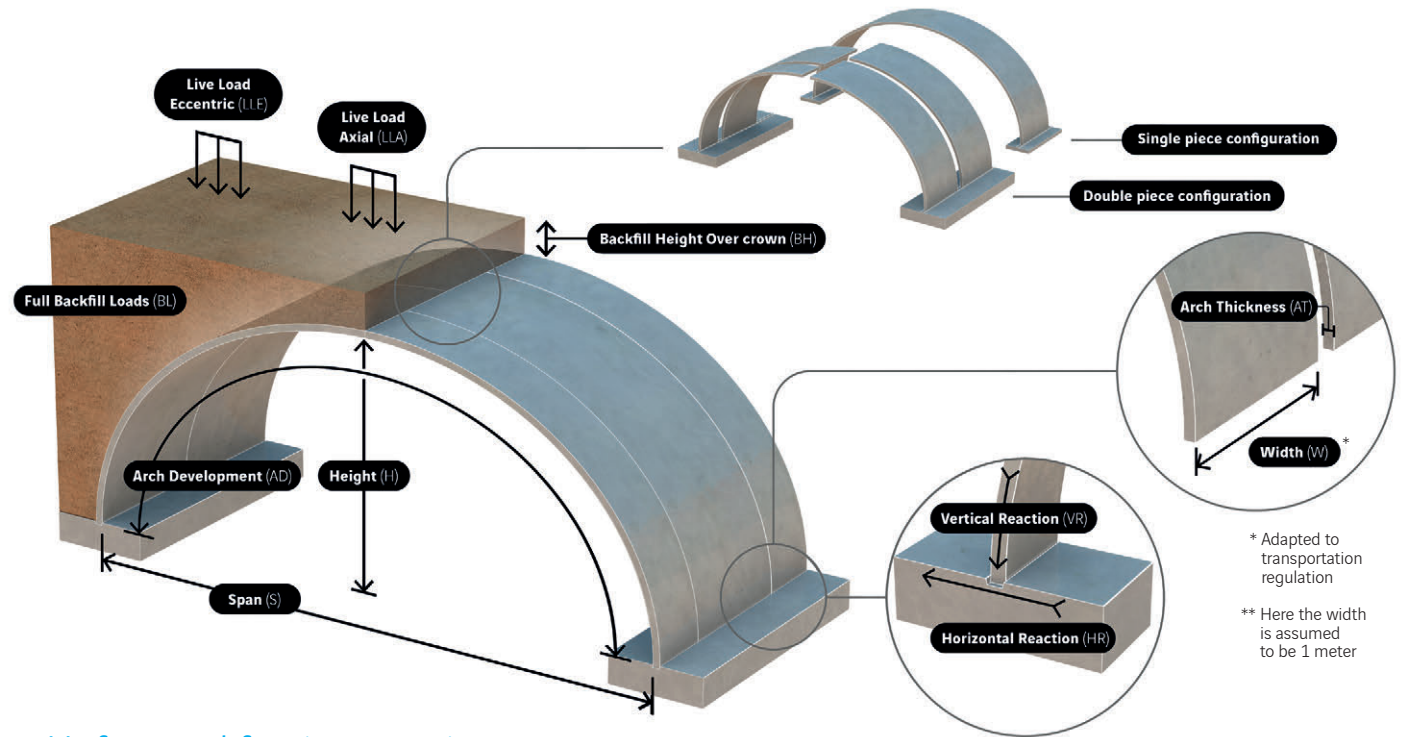
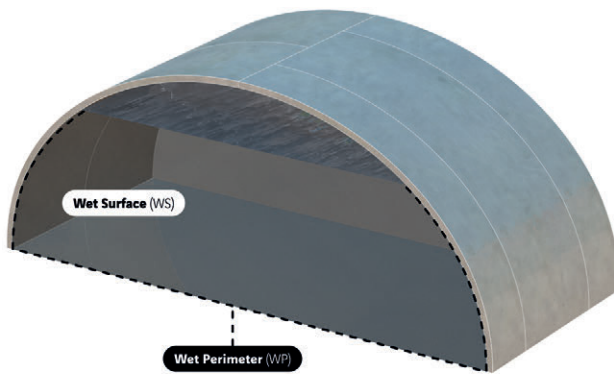


Main dimensions

Arch configuration (piece)	Single
Span - S (m)	10,81
Height - H (m)	3,00
Arch Thickness - AT (mm)	250
Arch Development - AD (m)	13,49
Element Weight per unit width (ton/m)	8,43



* 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_1200/A reactions (kN/m)	Arch SW*	34	45	34	45	34	45	34	45	34	45
	BL	122	249	204	374	285	499	365	623	443	746
	LLA	277	425	348	540	414	649	476	756	539	862
	LLE	278	459	329	545	386	643	449	748	546	868
	SH**	165	271	274	419	384	575	488	725	592	877
	SV**	154	296	257	448	360	602	458	752	556	904

* Arch SW stands for arch self weight
 ** SH and SV stand for horizontal/vertical seismic inertial loads. Live loads excluded

Hydraulic waterways

Wet surface - WS (m ²)	18,80
Wet perimeter* WP (m)	16,15

* dimensions given for 1 meter freeboard

Contact us to confirm compliance with local requirements