

Main dimensions

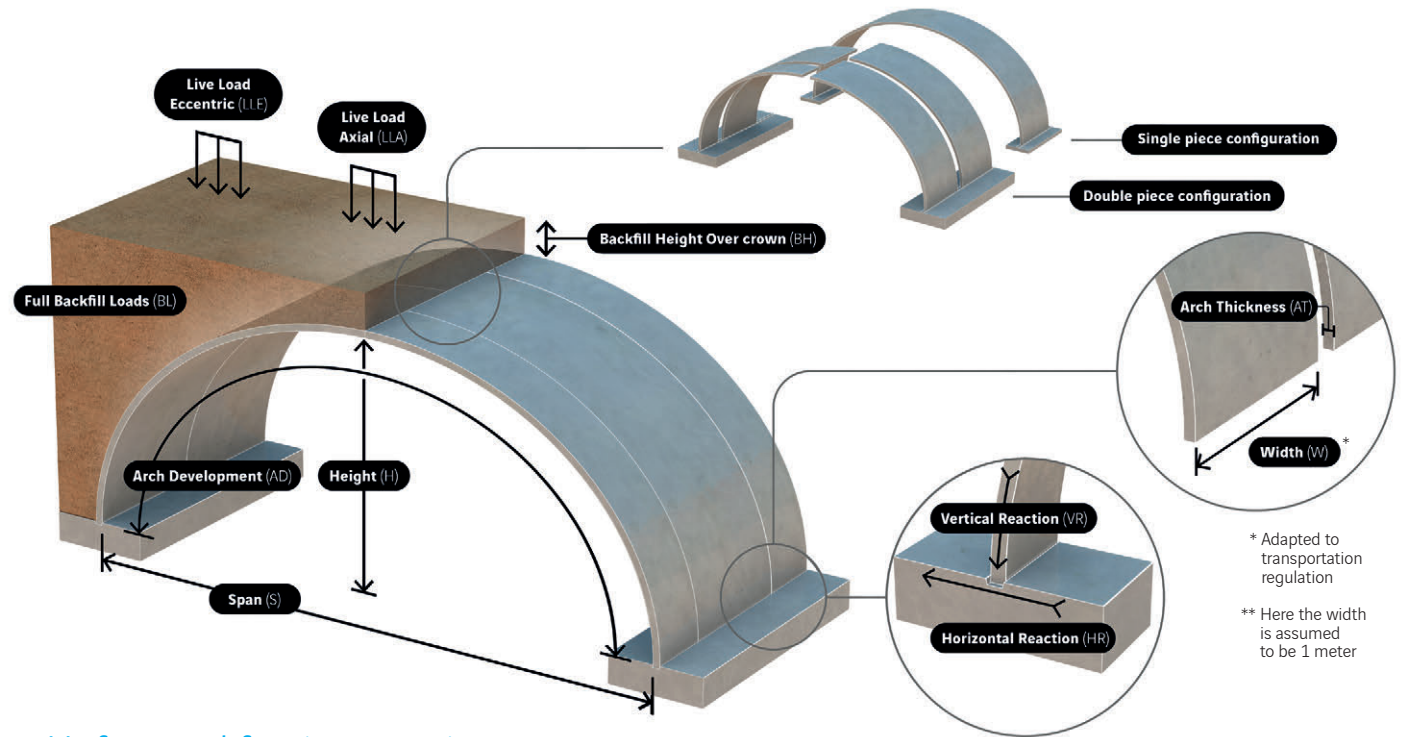
Arch configuration (piece)	Double
Span - S (m)	11,81
Height - H (m)	4,50
Arch Thickness - AT (mm)	250
Arch Development - AD (m)	16,66
Element Weight per unit width (ton/m)	5,21



Hydraulic waterways

Wet surface - WS (m ²)	35,88
Wet perimeter* WP (m)	20,31

* 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_1200/D reactions (kN/m)	Arch SW*	28	56	28	56	28	56	28	56	28	56
	BL	41	296	85	433	128	569	173	707	217	845
	LLA	110	452	154	587	191	709	229	834	266	956
	LLE	135	518	168	629	200	740	233	852	267	966
	SH**	8	312	120	450	179	611	255	790	317	956
	SV**	57	353	115	517	172	687	231	857	288	1026

* 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