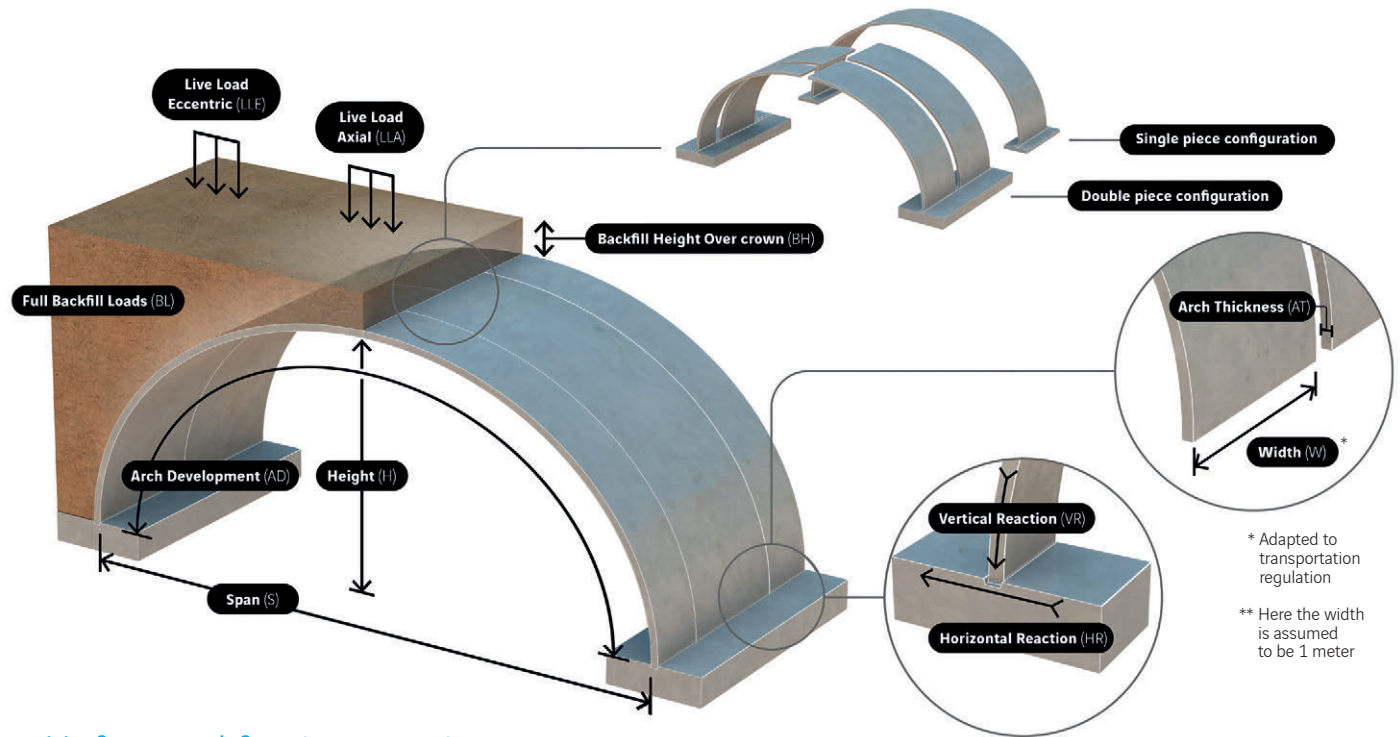


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	9,00
Height - H (m)	4,50
Arch Thickness - AT (mm)	225
Arch Development - AD (m)	14,82
Element Weight per unit width (ton/m)	4,17



* 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_900/F reactions (kN/m)	Arch SW*	14	47	14	47	14	47	14	47	14	47
	BL	-16	215	-8	318	1	421	9	527	18	634
	LLA	2	337	10	430	17	523	24	617	31	711
	LLE	14	418	17	492	20	569	25	651	30	736
	SH**	-51	259	-43	367	-37	473	-32	580	-29	685
	SV**	-26	277	-16	397	-7	519	2	641	10	763

Hydraulic waterways

Wet surface - WS (m ²)	28,89
Wet perimeter* WP (m)	16,85

* dimensions given for 1 meter freeboard

* 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