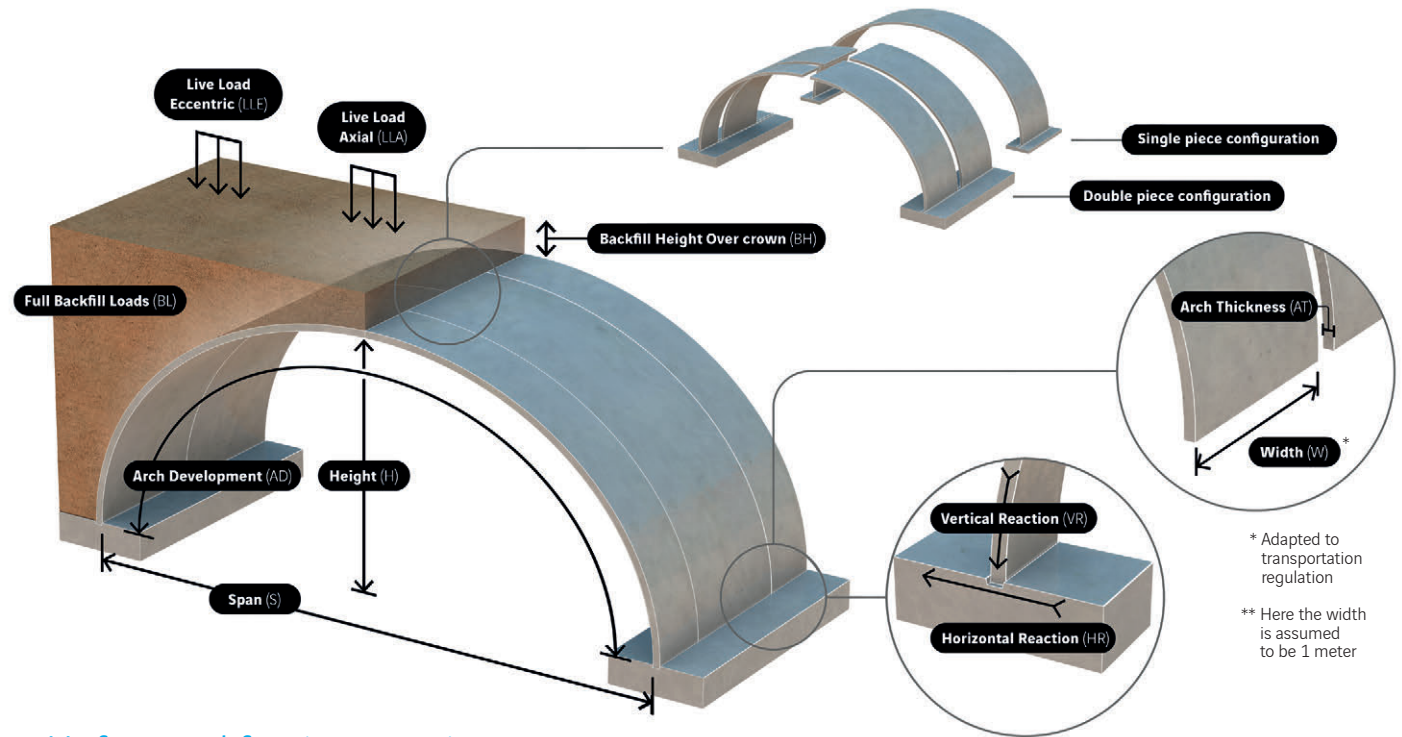


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	12,00
Height - H (m)	5,50
Arch Thickness - AT (mm)	250
Arch Development - AD (m)	18,67
Element Weight per unit width (ton/m)	5,83



* 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/F reactions (kN/m)	Arch SW*	24	66	24	66	24	66	24	66	24	66
	BL	-9	316	11	454	30	593	50	733	69	874
	LLA	18	452	38	588	57	722	75	852	92	978
	LLE	37	556	50	669	64	784	78	900	92	1017
	SH**	-44	381	-25	528	-8	673	8	816	23	957
	SV**	-14	405	9	570	31	735	53	898	74	1061

Hydraulic waterways

Wet surface - WS (m ²)	47,82
Wet perimeter* WP (m)	22,52

* 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