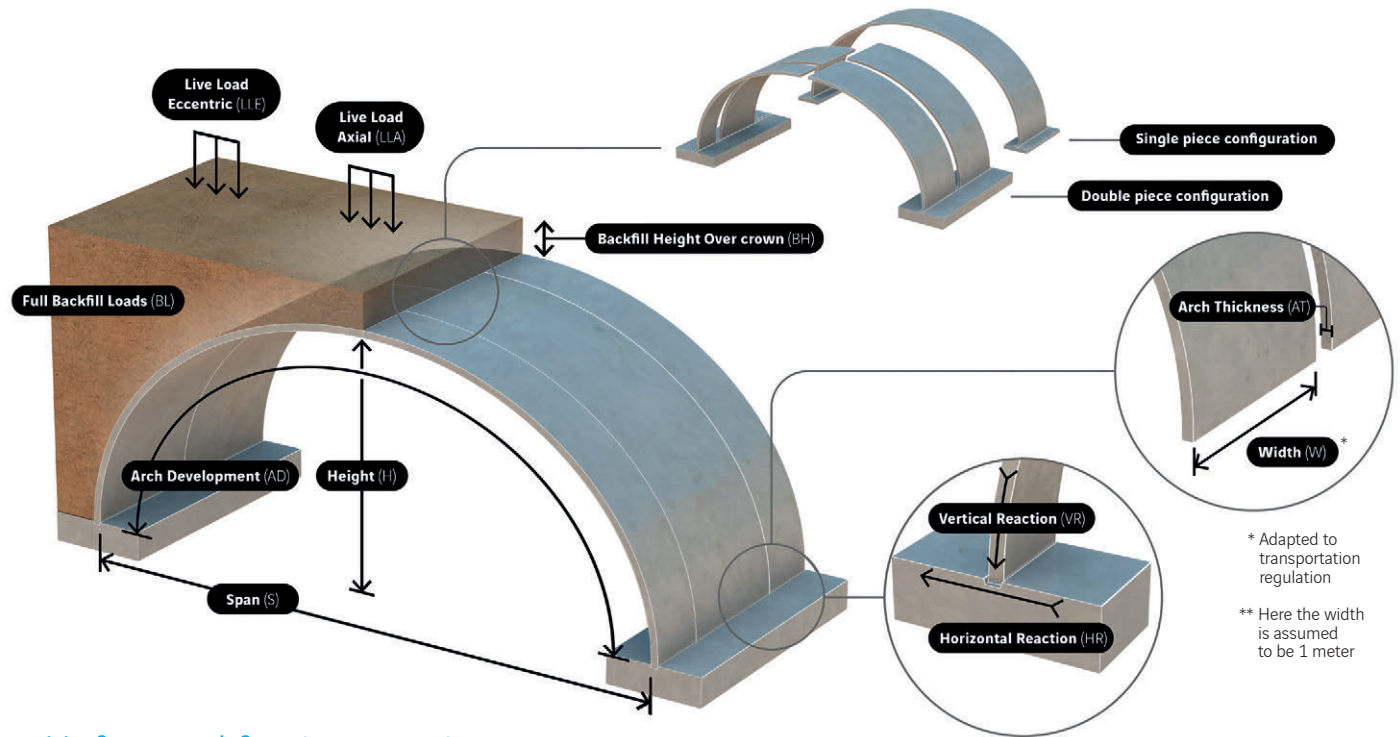


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	13,83
Height - H (m)	5,25
Arch Thickness - AT (mm)	300
Arch Development - AD (m)	19,55
Element Weight per unit width (ton/m)	7,33



* 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_1400/E reactions (kN/m)	Arch SW*	40	80	40	80	40	80	40	80	40	80
	BL	55	374	105	530	156	690	208	853	258	1013
	LLA	125	536	175	693	222	843	268	992	313	1139
	LLE	150	606	190	739	231	878	272	1018	313	1154
	SH**	16	396	65	556	213	737	290	938	366	1138
	SV**	75	448	139	634	205	829	272	1027	338	1228

* 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)	50,68
Wet perimeter* WP (m)	24,32

* dimensions given for 1 meter freeboard

Contact us to confirm compliance with local requirements