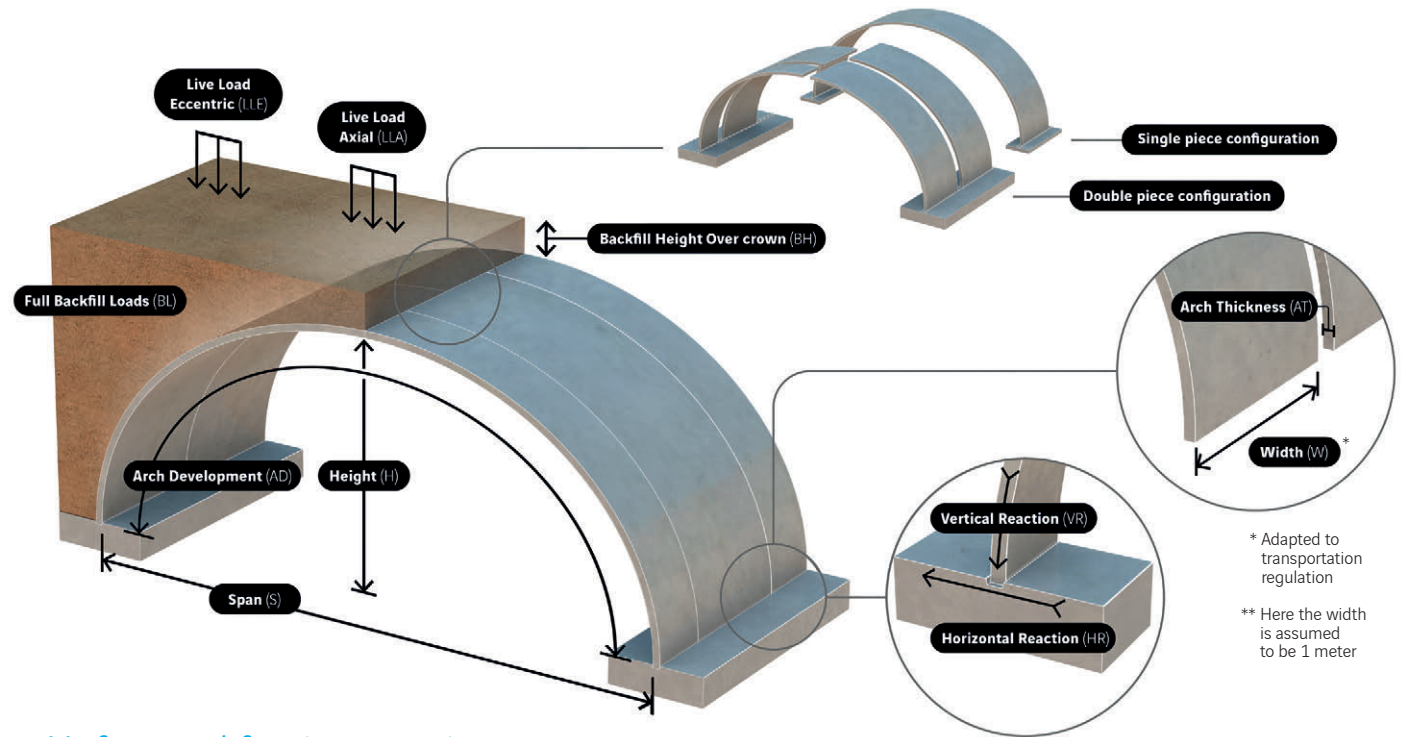


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	16,57
Height - H (m)	4,75
Arch Thickness - AT (mm)	375
Arch Development - AD (m)	20,92
Element Weight per unit width (ton/m)	9,81



* 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_1800/B reactions (kN/m)	Arch SW*	77	106	77	106	77	106	77	106	77	106
	BL	206	484	323	676	440	869	557	1061	674	1254
	LLA	362	668	477	857	587	1043	693	1224	796	1402
	LLE	384	746	474	905	569	1070	667	1240	770	1416
	SH**	222	513	407	728	582	952	750	1187	909	1433
	SV**	219	576	379	806	537	1038	692	1270	846	1503

Hydraulic waterways

Wet surface - WS (m ²)	52,03
Wet perimeter* WP (m)	27,09

* 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