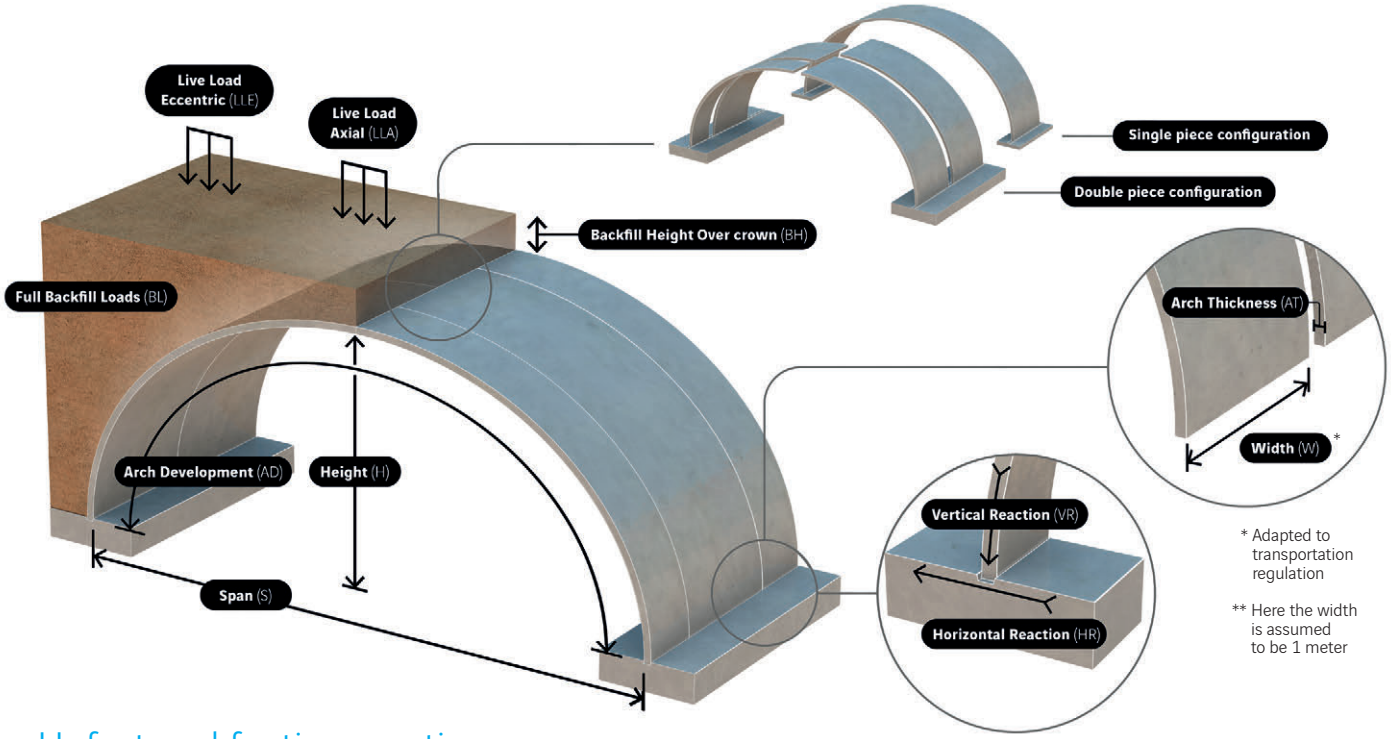
TS-F_1600/B

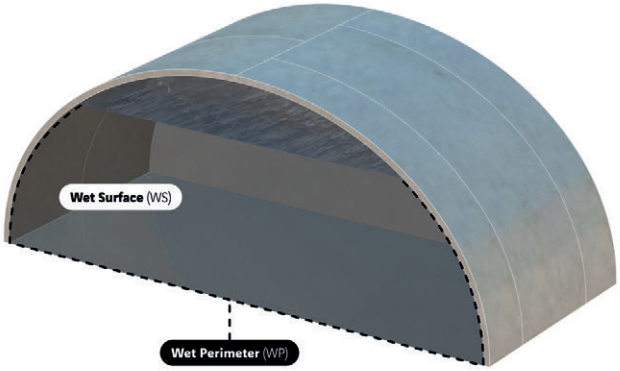
Main dimensions

Arch configuration (piece)	Double
Span - S (m)	15,22
Height - H (m)	4,75
Arch Thickness - AT (mm)	350
Arch Development - AD (m)	19,87
Element Weight per unit width (ton/m)	8,69



* Adapted to transportation regulation

** Here the width is assumed to be 1 meter



Hydraulic waterways

Wet surface - WS (m^2)	48,55
Wet perimeter* WP (m)	25,12

* dimensions given for 1 meter freeboard

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_1600/B reactions (kN/m)	Arch SW*	58	92	58	92	58	92	58	92	58	92
	BL	144	423	233	597	322	771	410	945	499	1120
	LLA	267	597	353	768	434	933	514	1096	593	1259
	LLE	287	662	356	806	427	955	502	1111	579	1269
	SH**	133	437	288	639	434	853	565	1069	686	1291
	SV**	165	501	270	707	406	920	520	1137	633	1352

* 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