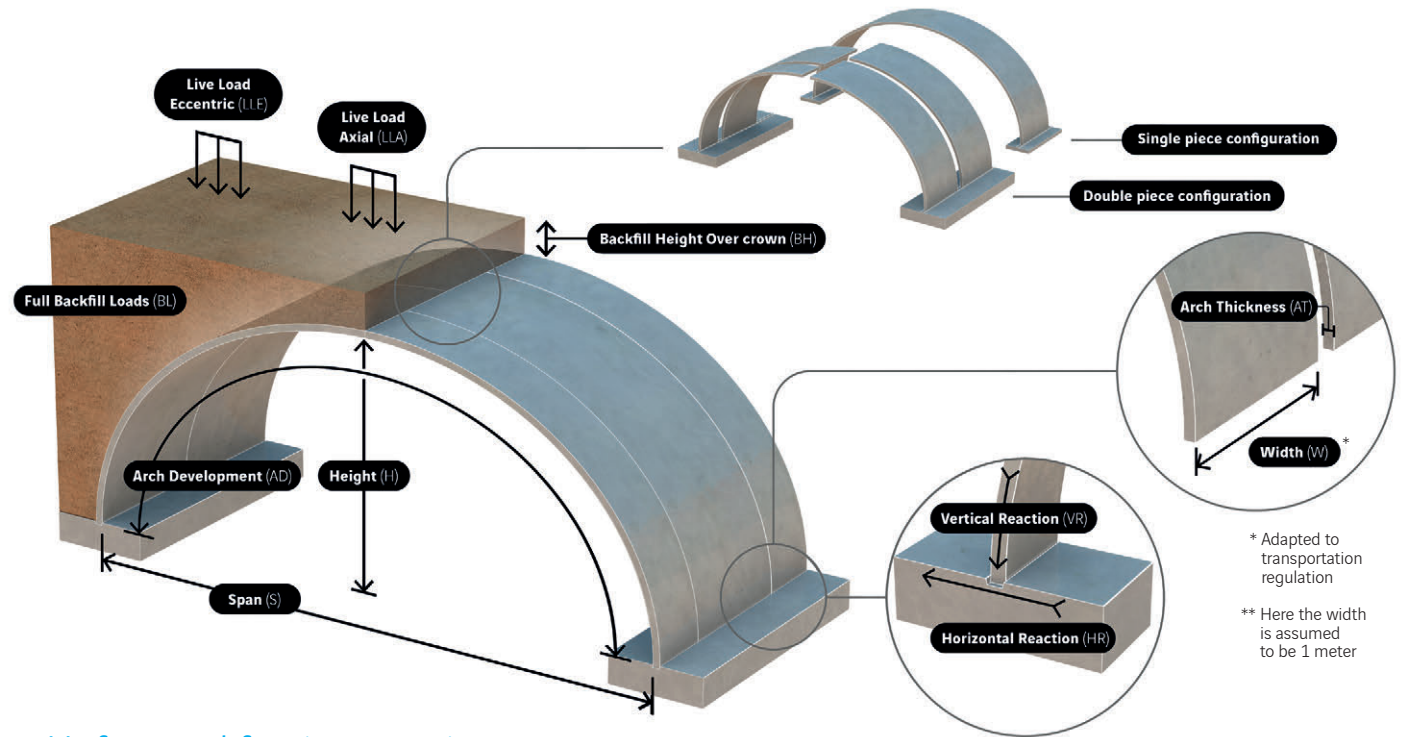
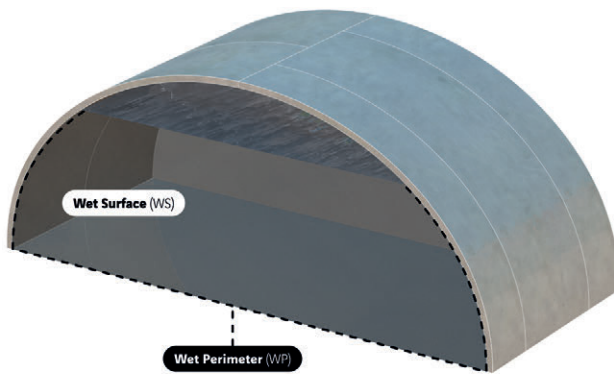


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	16,00
Height - H (m)	7,75
Arch Thickness - AT (mm)	350
Arch Development - AD (m)	25,95
Element Weight per unit width (ton/m)	11,35



* 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_1600/H reactions (kN/m)	Arch SW*	39	105	39	105	39	105	39	105	39	105
	BL	-43	496	-29	670	-16	847	-3	1025	9	1205
	LLA	-29	619	-15	800	-1	978	12	1153	24	1324
	LLE	-7	724	2	885	12	1047	22	1209	33	1373
	SH**	-107	618	-93	814	-82	1002	-74	1184	-69	1359
	SV**	-56	630	-41	843	-26	1054	-12	1263	0	1471

* 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)	95,93
Wet perimeter* WP (m)	31,99

* dimensions given for 1 meter freeboard

Contact us to confirm compliance with local requirements