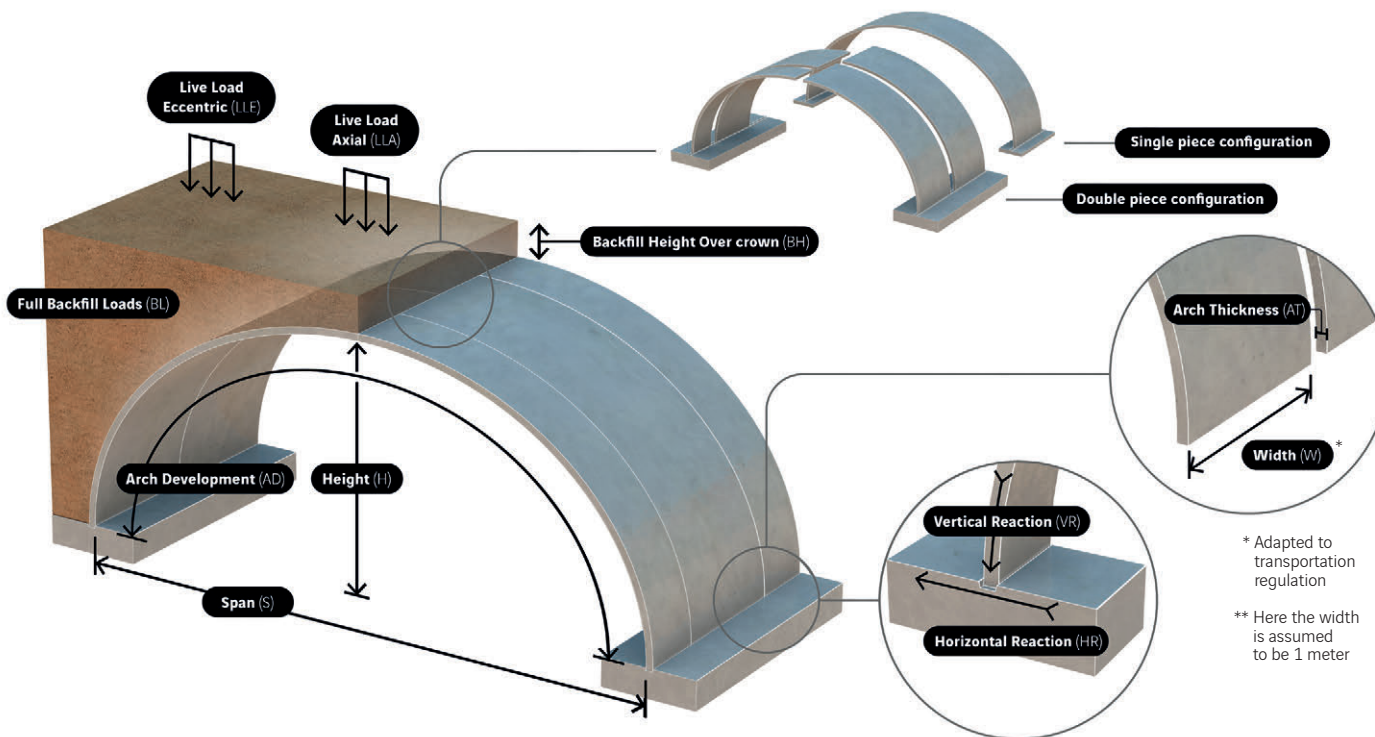
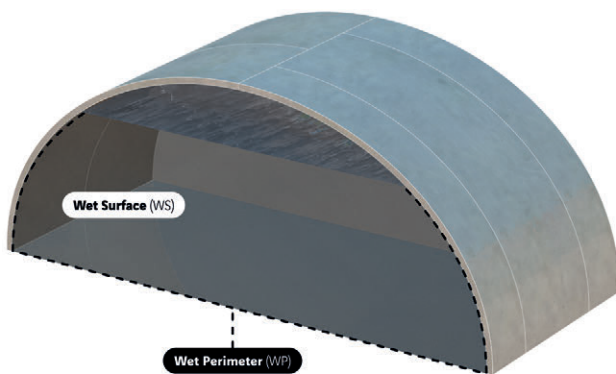


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	9,00
Height - H (m)	5,00
Arch Thickness - AT (mm)	225
Arch Development - AD (m)	15,82
Element Weight per unit width (ton/m)	4,45



* 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_900/G reactions (kN/m)	Arch SW*	12	48	12	48	12	48	12	48	12	48
	BL	-33	225	-32	327	-30	432	-29	538	-28	646
	LLA	-28	336	-26	431	-25	527	-24	623	-23	719
	LLE	-18	420	-20	496	-21	576	-22	659	-22	745
	SH**	-66	282	-71	390	-76	497	-81	603	-85	707
	SV**	-44	288	-44	410	-44	533	-44	656	-44	780

Hydraulic waterways

Wet surface - WS (m ²)	33,39
Wet perimeter* WP (m)	17,85

* 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