

## Main dimensions

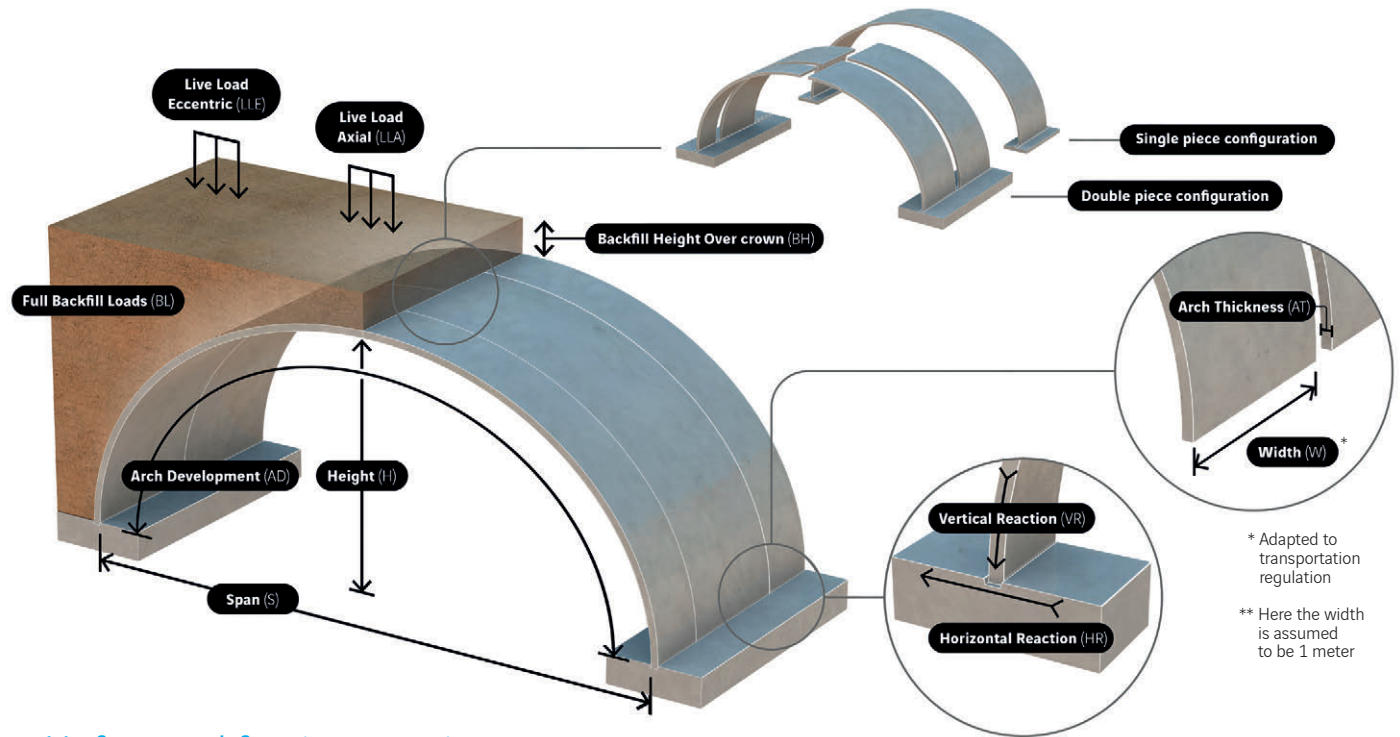
Arch configuration (piece)	Double
Span - S (m)	10,00
Height - H (m)	5,50
Arch Thickness - AT (mm)	250
Arch Development - AD (m)	17,44
Element Weight per unit width (ton/m)	5,45



## Hydraulic waterways

Wet surface - WS (m <sup>2</sup> )	41,31
Wet perimeter* WP (m)	20,06

\* dimensions given for 1 meter freeboard



\* 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_1000/H reactions (kN/m)	Arch SW*	16	57	16	57	16	57	16	57	16	57
	BL	-39	265	-33	375	-31	490	-28	607	-25	724
	LLA	-34	376	-27	484	-24	591	-21	699	-18	807
	LLE	-20	466	-16	551	-16	644	-16	738	-15	836
	SH**	-83	334	-84	443	-72	566	-73	685	-73	804
	SV**	-51	341	-48	471	-40	607	-33	744	-22	883

\* 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**