

Main dimensions

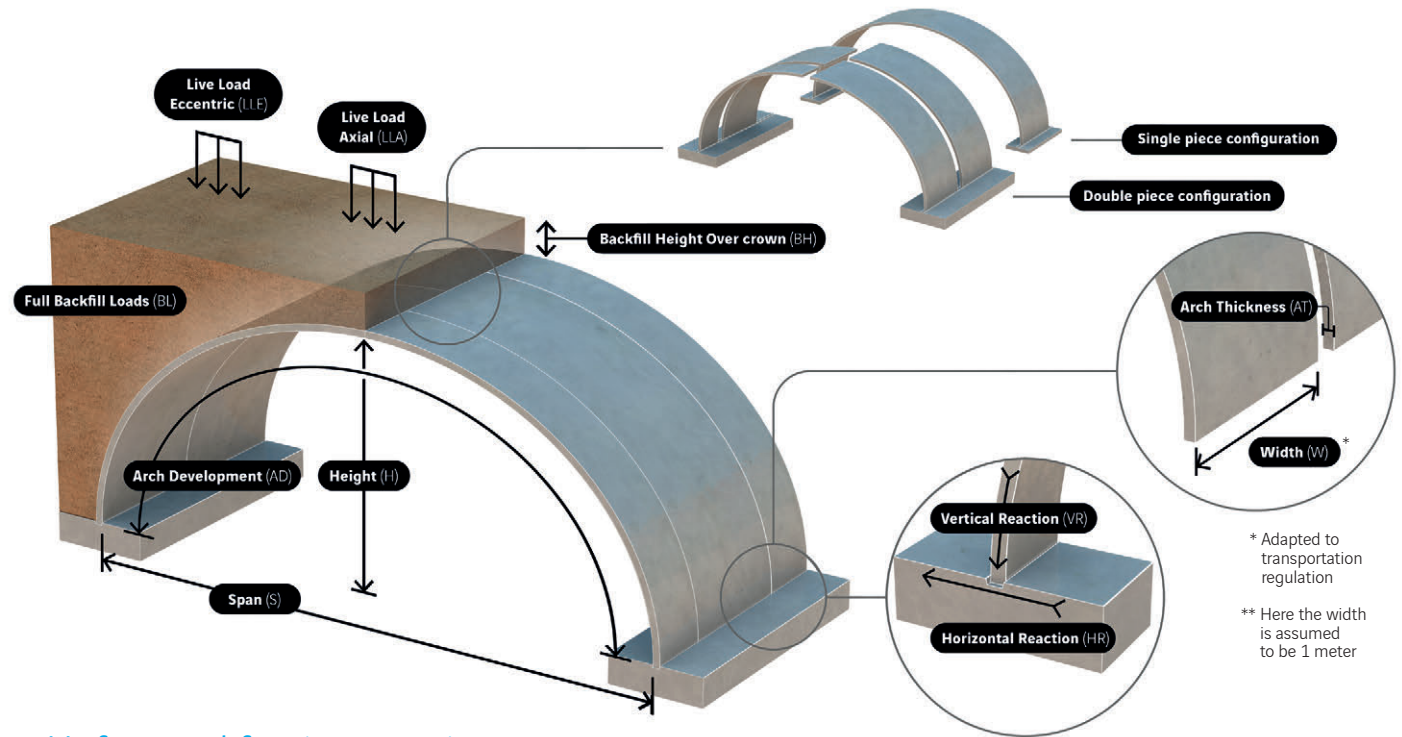
Arch configuration (piece)	Double
Span - S (m)	12,94
Height - H (m)	3,75
Arch Thickness - AT (mm)	300
Arch Development - AD (m)	16,42
Element Weight per unit width (ton/m)	6,16



Hydraulic waterways

Wet surface - WS (m ²)	30,51
Wet perimeter* WP (m)	20,3

* 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_1400/B reactions (kN/m)	Arch SW*	49	66	49	66	49	66	49	66	49	66
	BL	148	325	241	470	333	615	426	760	516	905
	LLA	300	495	385	632	468	769	545	899	620	1029
	LLE	311	546	378	658	450	778	525	905	621	1034
	SH**	169	344	313	517	453	696	584	877	710	1060
	SV**	187	386	306	564	423	743	538	921	653	1100

* 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