

Main dimensions

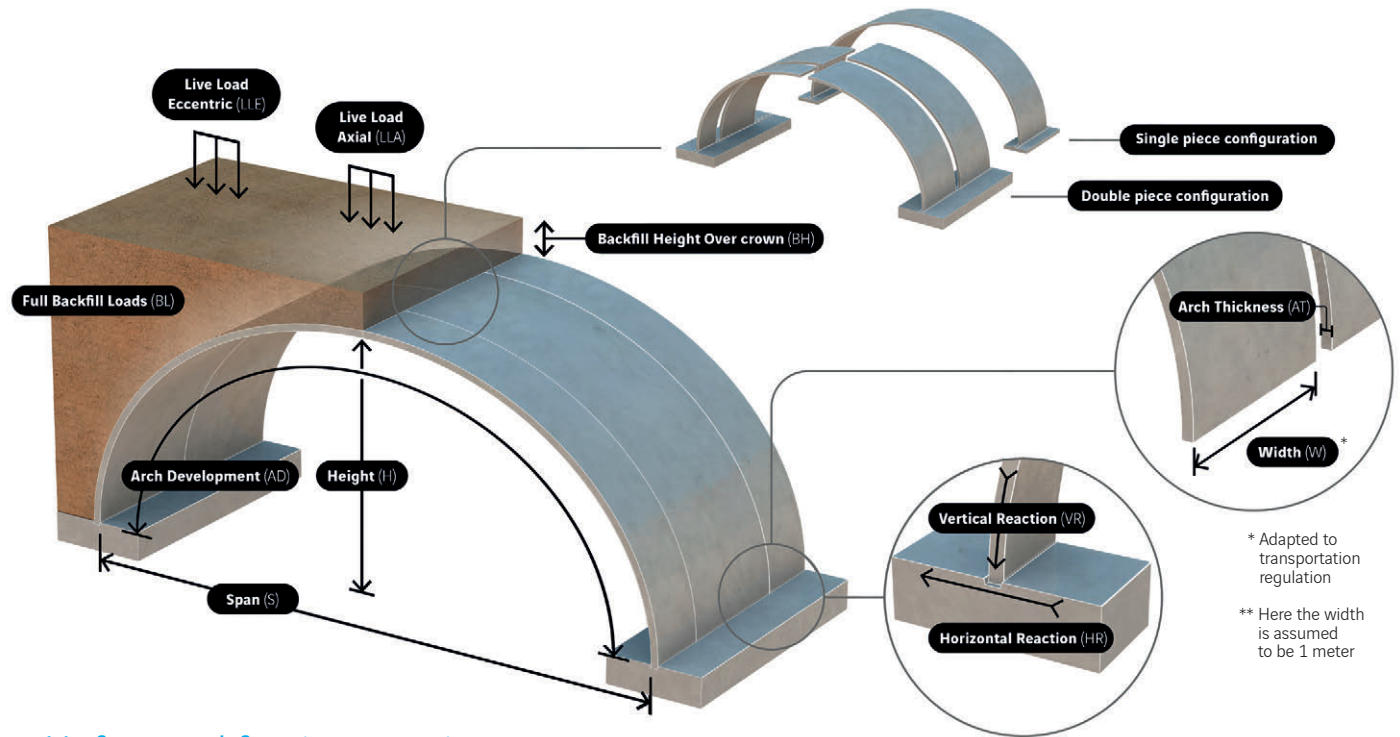
Arch configuration (piece)	Double
Span - S (m)	14,00
Height - H (m)	7,25
Arch Thickness - AT (mm)	300
Arch Development - AD (m)	23,56
Element Weight per unit width (ton/m)	8,84



Hydraulic waterways

Wet surface - WS (m ²)	78,62
Wet perimeter* WP (m)	28,501

* 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/I reactions (kN/m)	Arch SW*	28	83	28	83	28	83	28	83	28	83
	BL	-45	420	-38	576	-31	735	-25	895	-18	1059
	LLA	-37	537	-30	698	-22	856	-16	1011	-9	1165
	LLE	-24	670	-21	806	-17	946	-12	1086	-7	1230
	SH**	-106	561	-100	734	-113	896	-112	1055	-116	1209
	SV**	-66	565	-59	754	-53	940	-47	1124	-42	1307

* 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