

## Main dimensions

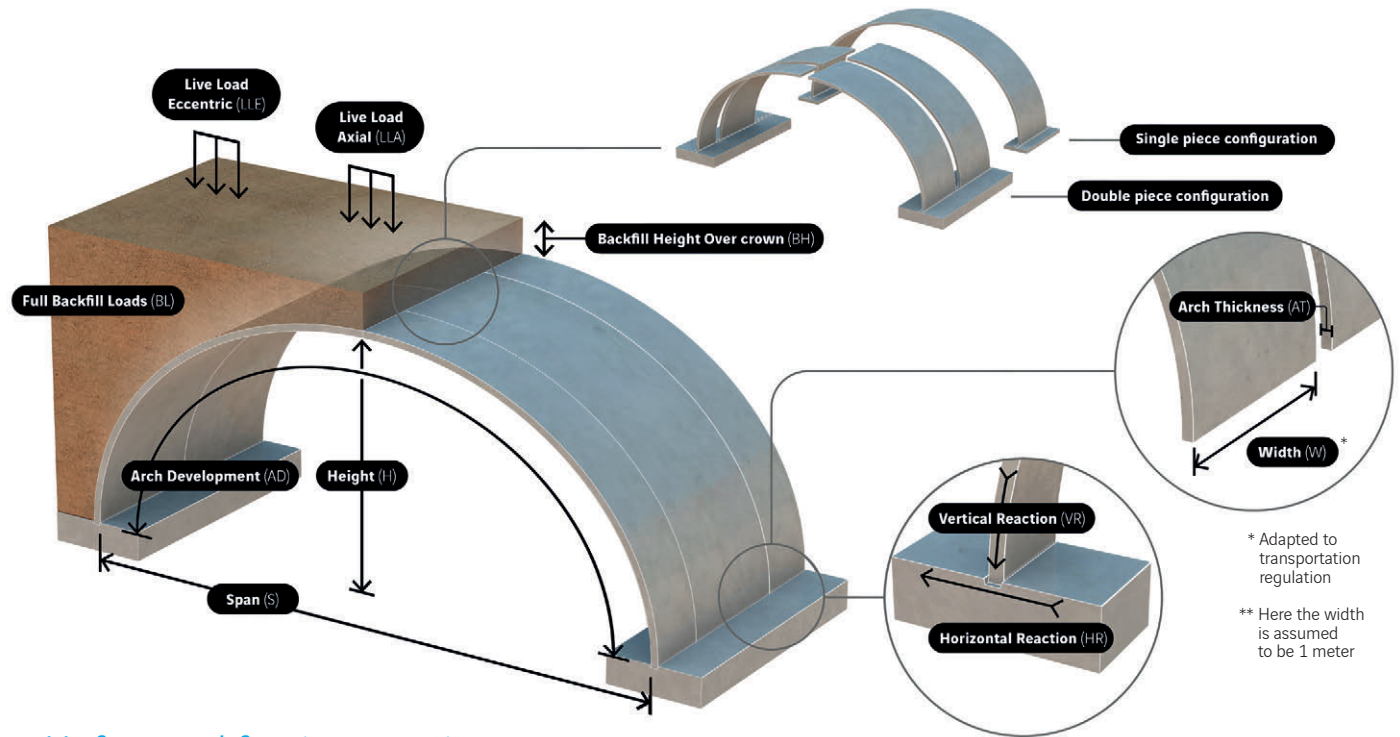
Arch configuration (piece)	Double
Span - S (m)	20,00
Height - H (m)	9,00
Arch Thickness - AT (mm)	400
Arch Development - AD (m)	30,76
Element Weight per unit width (ton/m)	15,38



## Hydraulic waterways

Wet surface - WS (m <sup>2</sup> )	137,00
Wet perimeter* WP (m)	39,91

\* 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_2000/I reactions (kN/m)	Arch SW*	65	171	65	171	65	171	65	171	65	171
	BL	-19	725	15	953	51	1184	87	1420	124	1659
	LLA	12	854	49	1093	85	1330	121	1566	157	1800
	LLE	44	979	75	1194	106	1412	138	1632	171	1854
	SH**	-110	896	-76	1140	-42	1383	-8	1627	25	1870
	SV**	-29	909	10	1176	51	1450	93	1729	136	2015

\* 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**