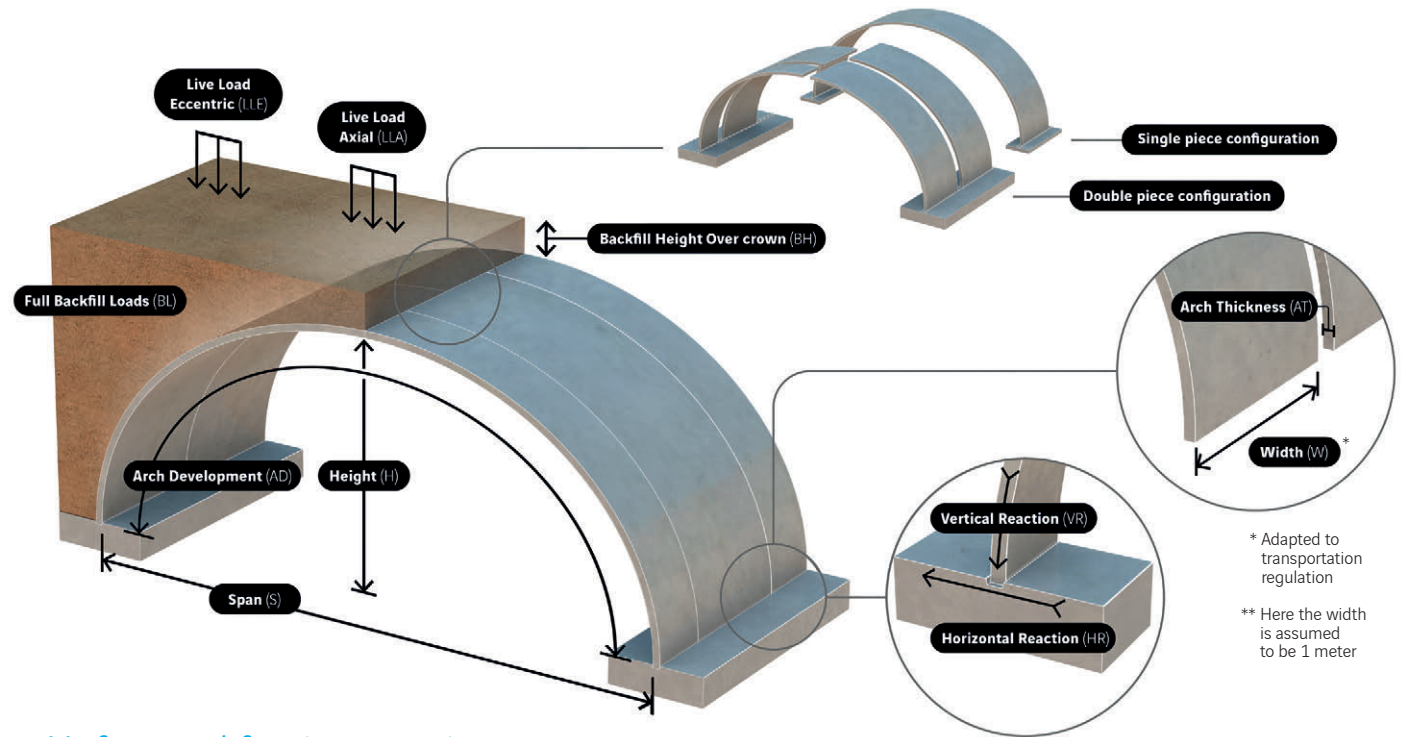


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	21,95
Height - H (m)	9,50
Arch Thickness - AT (mm)	450
Arch Development - AD (m)	32,96
Element Weight per unit width (ton/m)	18,54



* 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_2200/I reactions (kN/m)	Arch SW*	82	199	82	199	82	199	82	199	82	199
	BL	29	869	79	1121	130	1375	182	1633	235	1894
	LLA	72	1002	124	1260	175	1516	226	1773	277	2028
	LLE	106	1158	151	1393	196	1631	242	1871	290	2115
	SH**	-97	1063	-45	1331	1	1596	40	1856	73	2111
	SV**	13	1098	71	1395	129	1694	187	1994	246	2295

Hydraulic waterways

Wet surface - WS (m ²)	157,32
Wet perimeter* WP (m)	43,59

* 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