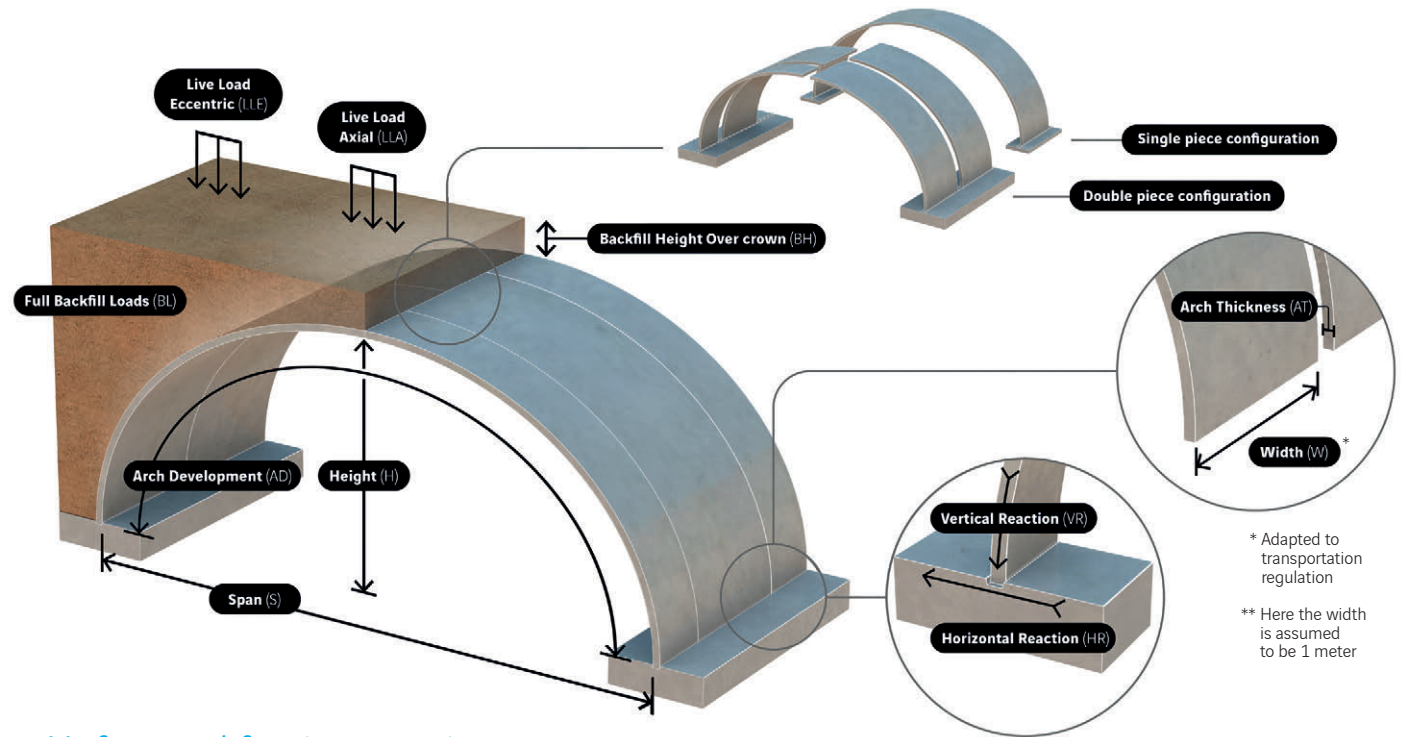


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	18,00
Height - H (m)	8,75
Arch Thickness - AT (mm)	375
Arch Development - AD (m)	29,11
Element Weight per unit width (ton/m)	13,65



* 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_1800/J reactions (kN/m)	Arch SW*	51	156	51	156	51	156	51	156	51	156
	BL	-59	623	-46	824	-33	1030	-19	1239	-5	1453
	LLA	-45	735	-31	952	-17	1164	-4	1371	9	1574
	LLE	-25	861	-15	1053	-4	1246	7	1440	19	1636
	SH**	-138	796	-123	1024	-111	1249	-100	1471	-92	1691
	SV**	-78	796	-62	1042	-46	1289	-31	1537	-17	1787

Hydraulic waterways

Wet surface - WS (m ²)	122,48
Wet perimeter* WP (m)	36,72

* 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