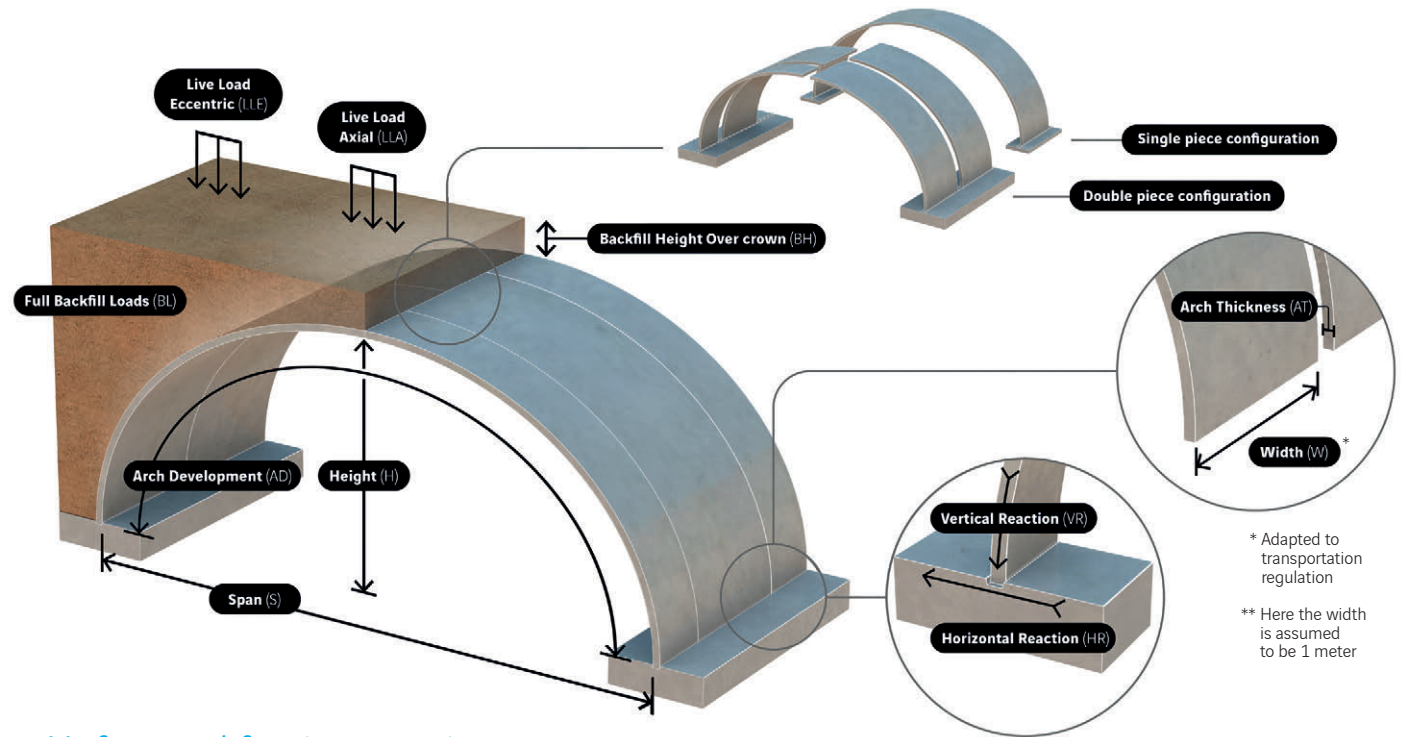


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	17,58
Height - H (m)	6,25
Arch Thickness - AT (mm)	375
Arch Development - AD (m)	24,08
Element Weight per unit width (ton/m)	11,29



* 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/E reactions (kN/m)	Arch SW*	69	121	69	121	69	121	69	121	69	121
	BL	107	540	185	744	264	949	343	1154	421	1360
	LLA	197	707	277	915	354	1118	428	1316	499	1509
	LLE	230	824	297	1007	365	1190	433	1374	501	1559
	SH**	33	626	67	809	167	1014	334	1239	566	1486
	SV**	111	670	189	902	286	1139	405	1380	544	1625

Hydraulic waterways

Wet surface - WS (m ²)	77,73
Wet perimeter* WP (m)	31,27

* 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