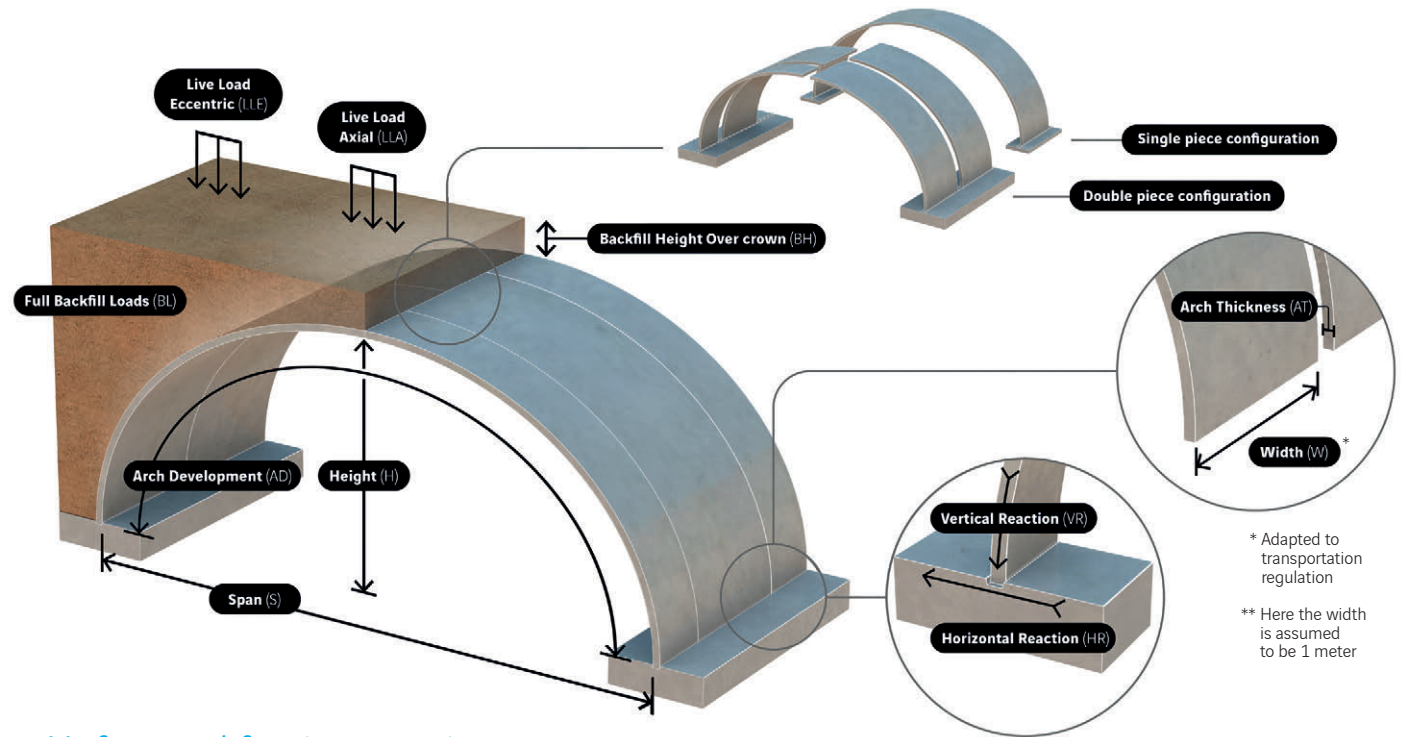


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	19,85
Height - H (m)	8,00
Arch Thickness - AT (mm)	400
Arch Development - AD (m)	28,75
Element Weight per unit width (ton/m)	14,38



* 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/G reactions (kN/m)	Arch SW*	74	158	74	158	74	158	74	158	74	158
	BL	51	686	109	914	168	1145	227	1378	288	1615
	LLA	108	837	169	1076	228	1310	286	1540	342	1767
	LLE	141	989	192	1197	243	1409	296	1625	350	1843
	SH**	-30	838	25	1078	78	1313	128	1542	177	1766
	SV**	51	883	118	1151	184	1419	249	1687	315	1955

Hydraulic waterways

Wet surface - WS (m ²)	117,05
Wet perimeter* WP (m)	37,75

* 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