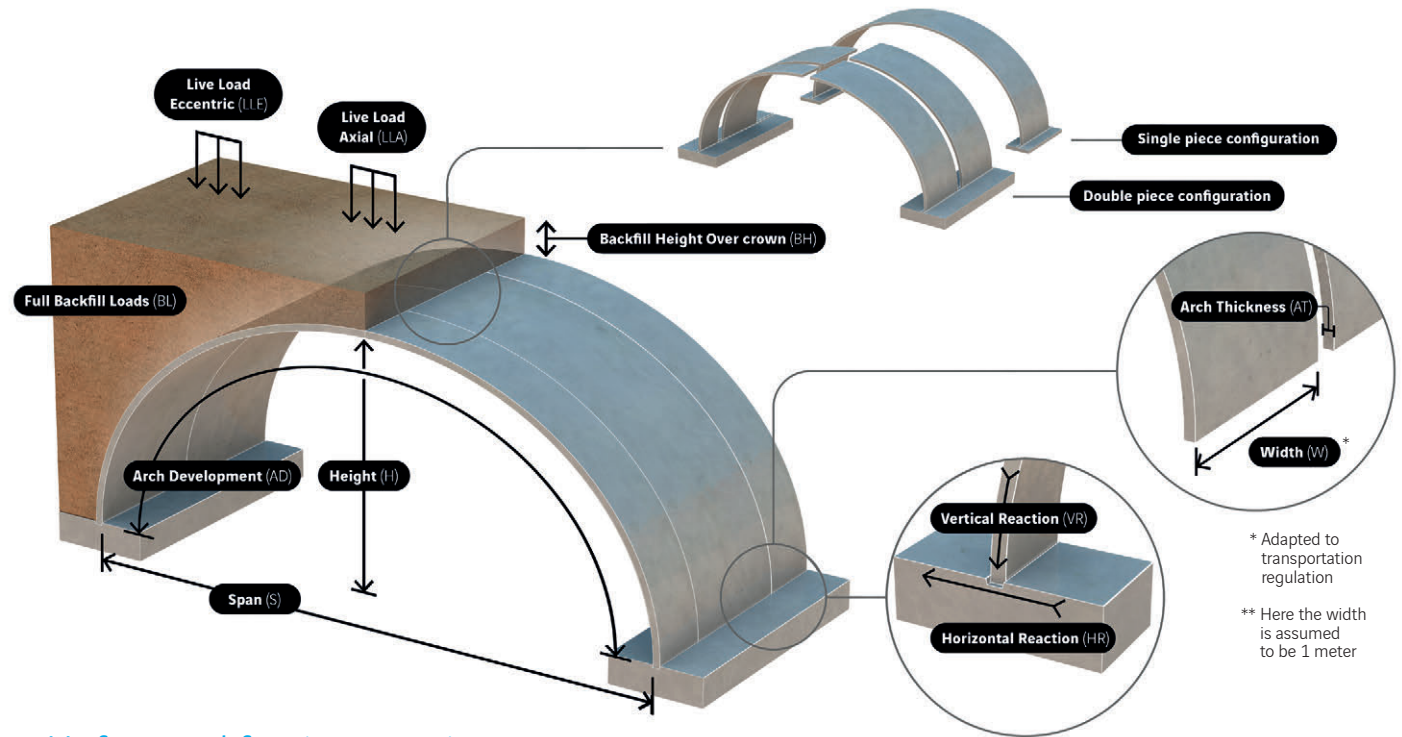


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	18,00
Height - H (m)	7,75
Arch Thickness - AT (mm)	375
Arch Development - AD (m)	27,11
Element Weight per unit width (ton/m)	12,71



* 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/H reactions (kN/m)	Arch SW*	60	145	60	145	60	145	60	145	60	145
	BL	10	595	48	800	87	1008	126	1219	166	1434
	LLA	51	737	90	949	129	1158	166	1365	203	1568
	LLE	76	880	108	1068	141	1258	175	1450	209	1645
	SH**	-84	736	-41	953	-2	1169	33	1383	63	1596
	SV**	-4	773	42	1016	87	1260	130	1504	172	1748

* Arch SW stands for arch self weight
 ** SH and SV stand for horizontal/vertical seismic inertial loads. Live loads excluded

Hydraulic waterways

Wet surface - WS (m ²)	104,49
Wet perimeter* WP (m)	34,72

* dimensions given for 1 meter freeboard

Contact us to confirm compliance with local requirements