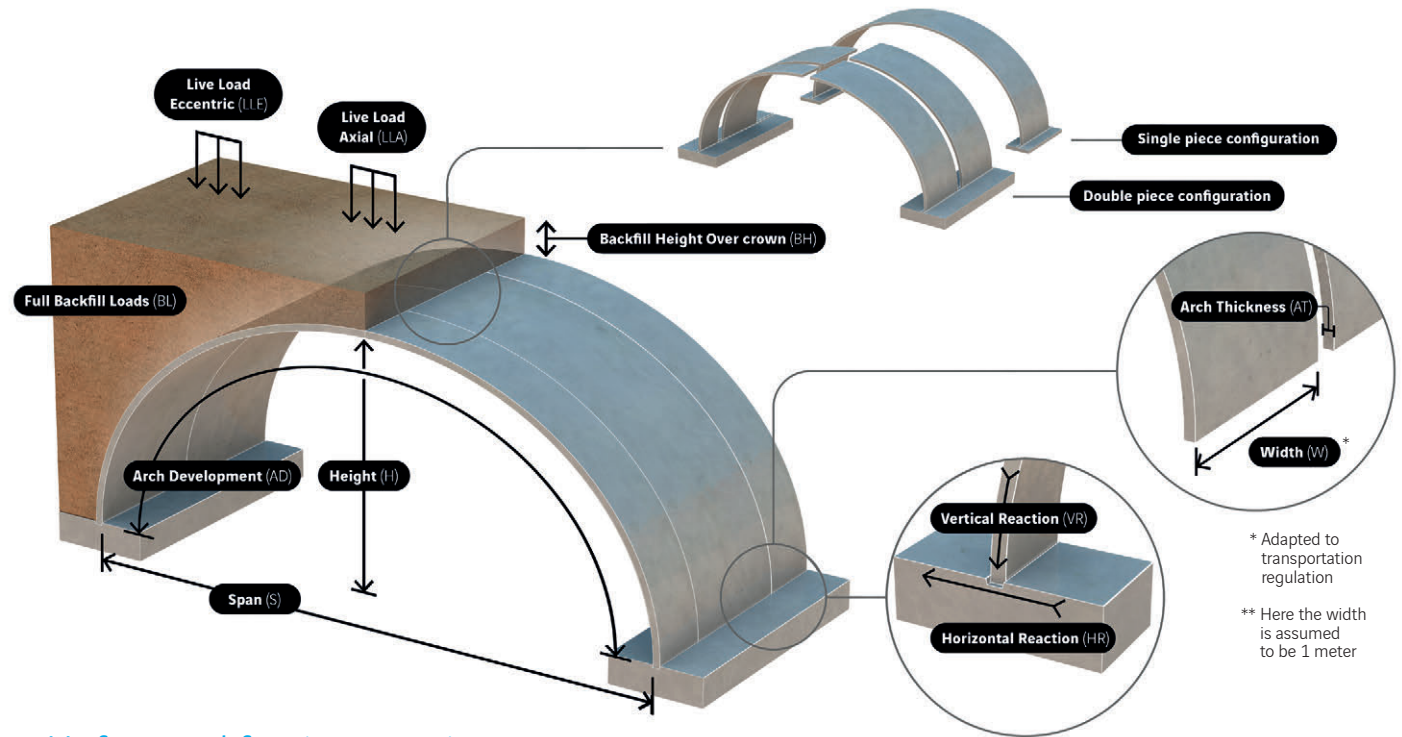


Main dimensions

Arch configuration (piece)	Double
Span - S (m)	14,00
Height - H (m)	6,75
Arch Thickness - AT (mm)	300
Arch Development - AD (m)	22,56
Element Weight per unit width (ton/m)	8,46



* 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_1400/H reactions (kN/m)	Arch SW*	31	75	31	75	31	75	31	75	31	75
	BL	-20	409	-4	568	12	729	28	890	44	1054
	LLA	-1	541	15	701	31	860	47	1014	62	1167
	LLE	16	664	28	802	39	941	51	1082	64	1225
	SH**	-81	527	-66	697	-71	859	-62	1015	-56	1168
	SV**	-37	541	-19	732	-2	919	13	1104	28	1285

Hydraulic waterways

Wet surface - WS (m ²)	71,62
Wet perimeter* WP (m)	27,501

* 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