

Main dimensions

Arch configuration (piece)	Double
Span - S (m)	11,95
Height - H (m)	5,00
Arch Thickness - AT (mm)	250
Arch Development - AD (m)	17,67
Element Weight per unit width (ton/m)	5,52



* 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_1200/E reactions (kN/m)	Arch SW*	26	61	26	61	26	61	26	61	26	61
	BL	15	306	46	444	76	582	107	722	138	861
	LLA	61	452	91	589	119	717	146	845	172	969
	LLE	82	542	104	654	126	767	149	881	172	996
	SH**	-20	348	38	491	73	642	114	799	149	950
	SV**	18	382	57	546	95	702	133	879	170	1044

Hydraulic waterways

Wet surface - WS (m ²)	41,83
Wet perimeter* WP (m)	21,47

* 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