

## Main dimensions

Arch configuration (piece)	Double
Span - S (m)	8,00
Height - H (m)	5,15
Arch Thickness - AT (mm)	200
Arch Development - AD (m)	15,44
Element Weight per unit width (ton/m)	3,86



\* 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_800/G reactions (kN/m)	Arch SW*	9	39	9	39	9	39	9	39	9	39
	BL	-46	203	-50	295	-53	391	-56	489	-59	588
	LLA	-50	308	-51	390	-54	474	-56	563	-59	652
	LLE	-42	379	-46	445	-50	516	-53	592	-57	671
	SH**	-82	271	-87	370	-92	473	-97	575	-99	675
	SV**	-57	262	-61	377	-66	491	-70	606	-73	720

## Hydraulic waterways

Wet surface - WS (m <sup>2</sup> )	31,32
Wet perimeter* WP (m)	16,95

\* 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**