

Main dimensions

Arch configuration (piece)	Double
Span - S (m)	18,03
Height - H (m)	5,00
Arch Thickness - AT (mm)	400
Arch Development - AD (m)	22,46
Element Weight per unit width (ton/m)	11,23



* 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/A reactions (kN/m)	Arch SW*	89	117	89	117	89	117	89	117	89	117
	BL	248	542	383	749	515	954	646	1159	774	1362
	LLA	412	730	540	932	666	1130	790	1324	912	1515
	LLE	428	787	542	970	657	1155	773	1343	890	1532
	SH**	309	565	486	805	664	1050	843	1302	1022	1559
	SV**	312	645	481	896	646	1145	808	1392	967	1637

* 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)	59,69
Wet perimeter* WP (m)	29,63

* dimensions given for 1 meter freeboard

Contact us to confirm compliance with local requirements