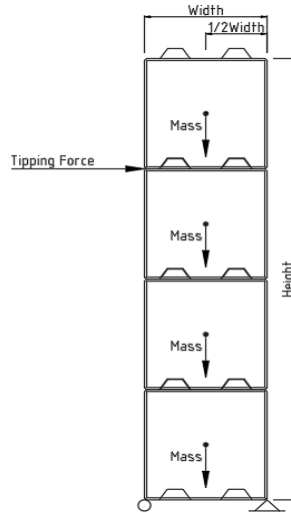




# STRUCTURAL DESIGN TIPPING FORCE

**BLOCK MOULDS**  
benefits of modular construction



Weight					
	Width	40 cm	40 cm	80 cm	80 cm
	Height	40 cm	80 cm	40 cm	80 cm
Length	40 cm	154 kg	307 kg	307 kg	614 kg
	80 cm	307 kg	614 kg	614 kg	1229 kg
	120 cm	461 kg	922 kg	922 kg	1843 kg
	160 cm	614 kg	1229 kg	1229 kg	2458 kg
Weight					
	Width	30	30	60	60
	Height	30	60	30	60
Length	30 cm	65 kg	130 kg	130 kg	259 kg
	60 cm	130 kg	259 kg	259 kg	518 kg
	90 cm	194 kg	389 kg	389 kg	778 kg
	120 cm	259 kg	518 kg	518 kg	1037 kg
	150 cm	324 kg	648 kg	648 kg	1296 kg
	180 cm	389 kg	778 kg	778 kg	1555 kg
	210 cm	454 kg	907 kg	907 kg	1814 kg
	240	518 kg	1037 kg	1037 kg	2074 kg

Tipping force one block (short side)					
	Width	40 cm	40 cm	80 cm	80 cm
	Height	40 cm	80 cm	40 cm	80 cm
Length	40 cm	1,0 kN	1,0 kN	4,1 kN	4,1 kN
	80 cm	2,0 kN	2,0 kN	8,2 kN	8,2 kN
	120 cm	3,1 kN	3,1 kN	12,3 kN	12,3 kN
	160 cm	4,1 kN	4,1 kN	16,4 kN	16,4 kN
Tipping force one block (short side)					
	Width	30 cm	30 cm	60 cm	60 cm
	Height	30 cm	60 cm	30 cm	60 cm
Length	30 cm	0,4 kN	0,4 kN	1,7 kN	1,7 kN
	60 cm	0,9 kN	0,9 kN	3,5 kN	3,5 kN
	90 cm	1,3 kN	1,3 kN	5,2 kN	5,2 kN
	120 cm	1,7 kN	1,7 kN	6,9 kN	6,9 kN
	150 cm	2,2 kN	2,2 kN	8,6 kN	8,6 kN
	180 cm	2,6 kN	2,6 kN	10,4 kN	10,4 kN
	210 cm	3,0 kN	3,0 kN	12,1 kN	12,1 kN
	240 cm	3,5 kN	3,5 kN	13,8 kN	13,8 kN

CHECK GROUND STABILITY AND CONSISTANCY BEFOR BUILDING A STRUCTURE  
CHECK WITH A STRUCTURAL ENGINEER BEFORE BUILDING AND LOADING A STRUCTURE  
USE OF THESE CALCULATIONS IS FOR YOUR OWN RISK AND RESPONSIBILITY

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