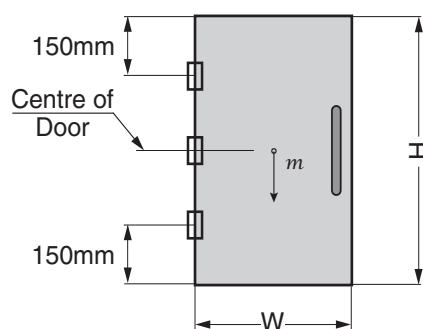


Reference Table

		Door Width (mm)												
		750	800	850	900	950	1000	1050	1100	1150	1200			
Door Height (mm)	2700	(kg) 70	70	70	70	70	70	70	70	70	70	70	2400	Hinge Pitch (mm)
	2650	70	70	70	70	70	70	70	70	70	70	70	2350	
	2600	70	70	70	70	70	70	70	70	70	70	70	2300	
	2550	70	70	70	70	70	70	70	70	70	70	60	2250	
	2500	70	70	70	70	70	70	70	70	70	70	60	2200	
	2450	70	70	70	70	70	70	70	70	70	60	60	2150	
	2400	70	70	70	70	70	70	70	70	60	60	60	2100	
	2350	70	70	70	70	70	70	70	60	60	60	60	2050	
	2300	70	70	70	70	70	70	70	60	60	60	60	2000	
	2250	70	70	70	70	70	70	60	60	60	60	50	1950	
	2200	70	70	70	70	70	70	60	60	60	60	50	1900	
	2150	70	70	70	70	70	70	60	60	60	50	50	1850	
	2100	70	70	70	70	70	70	60	60	60	50	50	1800	
	2050	70	70	70	70	70	60	60	60	50	50	50	1750	
	2000	70	70	70	70	70	60	60	50	50	50	50	1700	
	1950	70	70	70	60	60	60	60	50	50	50	50	1650	
	1900	70	70	60	60	60	60	50	50	50	50	40	1600	
	1850	70	70	60	60	60	60	50	50	50	40	40	1550	
1800	70	60	60	60	60	50	50	50	50	40	40	1500		
1750	70	60	60	60	60	50	50	50	40	40	40	1450		

Indicates standard tested values present in our catalogue (passed 300,000 cycles in private cycle test).

Hinge position (for calculated load values):



The door's centre of gravity is assumed to be in the centre of the door. If a heavy handle is installed on the door, it will affect the calculation.

- » The yellow section shows the HES3D-E160's standard specifications, as indicated in the Sugatsune catalogue.
- » Values outside of the yellow section are for reference only, based on hinge resistance calculation. This does not guarantee optimal performance and Sugatsune recommends testing before final installation.
- » Figures outside the standard specifications do not take durability or possible sagging of the door into account.
- » In case of use outside the standard specifications, Sugatsune recommends leaving a larger gap between door and floor to allow for possible door sagging.
- » Ensure that the door weight accounts for both the hinge and door closer specifications.
- » The use of a door closer may significantly reduce the operational lifespan of the hinges and/or may cause them damage.