

Calculating Estimated Load in Kg's @ 1 Metre

L = TailGate Length

W = Weight Of Tailgate in Kg's,
measured @ 90° at furthest point.

'EL' = ESTIMATED LOAD @ 1 Metre in Kg's

$$EL = W \times L$$

Eg: Tailgate Length = 2.5 Metre's. L = 2.5

Weight at furthest point = 85 Kg's. W = 85

$$EL = 2.5 \times 85 = 212.5 \text{ Kg's}$$



Selecting the correct assist spring

Using example above-

EL = 212.5 Kg's (Total Estimated Load)

When using pairs (recommended) divide by half

Each spring needs to carry 106 Kg's Approx. $212.5/2 = 106.25$

HFDS34L/R would be selected here rated 70 Kg's @ 90°, 105 Kg's @ 120°

Note: The Tailgate needs to be able to lay stable on the ground. Therefore, 'EL' should NOT exceed the capacity @ 120°

Remember: Tailgate Assist Springs are NOT designed to lift the total weight, rather to ASSIST in the raising and lowering of tailgates.

Part No.	Kg's supported @ 1 Metre @ 90°	Kg's supported @ 1 Metre @ 120°
HFDS12L/R	12	17
HFDS916L/R	17	30
HFDS58L/R	30	50
HFDS1116L/R	45	70
HFDS34L/R	70	105