HORSE FLOAT DOOR SPRING

SA TRAILER & CHASSIS EQUIPMENT
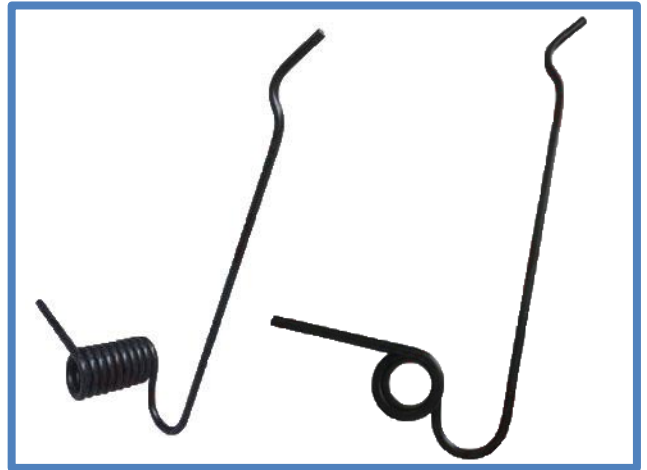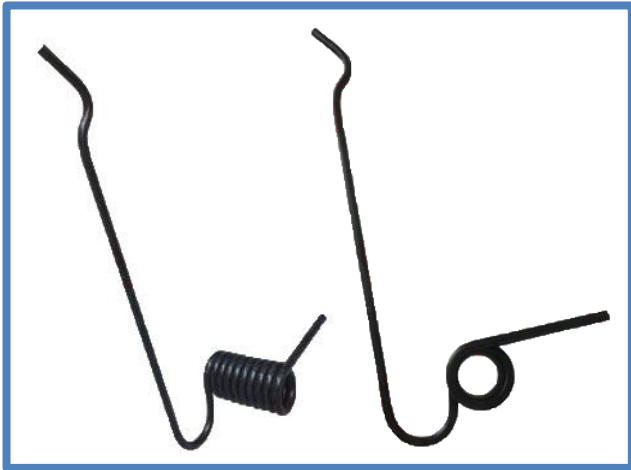
PART NO.	DESCRIPTION
HFDS12L	1/2" Horse Float Door Spring Only (Left Side)
HFDS916L	9/16" Horse Float Door Spring Only (Left Side)
HFDS58L	5/8" Horse Float Door Spring Only (Left Side)
HFDS1116L	11/16" Horse Float Door Spring Only (Left Side)
HFDS34L	3/4" Horse Float Door Spring Only (Left Side)
HFDS12R	1/2" Horse Float Door Spring Only (Right Side)
HFDS916R	9/16" Horse Float Door Spring Only (Right Side)
HFDS58R	5/8" Horse Float Door Spring Only (Right Side)
HFDS1116R	11/16" Horse Float Door Spring Only (Right Side)
HFDS34R	3/4" Horse Float Door Spring Only (Right Side)
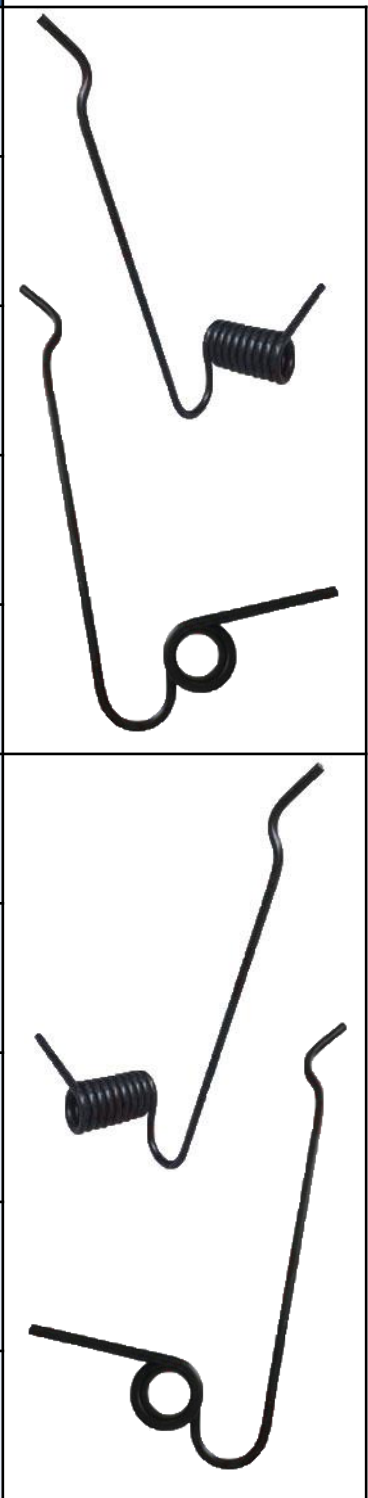
Calculating Estimated Load in Kg's @ 1 Metre

L = TailGate Length

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

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

$$EL = W \times L$$

Ex : Tailgate Length = 2.5 Metre's. L = 2.5
Weight at furthest point = 85 Kg's. W = 85
EL = 2.5 x 85 = 212.5 Kg's

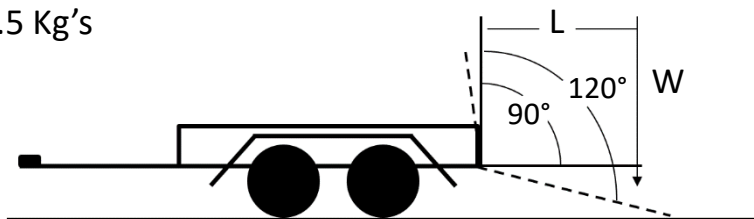## SELECTING THE CORRECT ASSIST SPRING

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