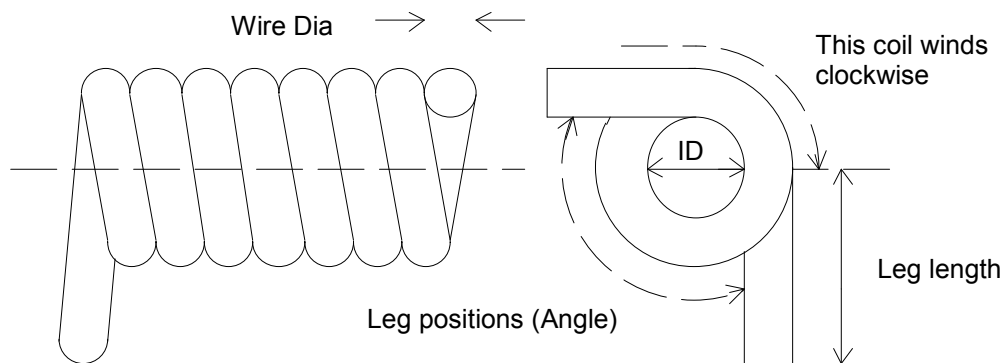


# TORSION SPRINGS

We can manufacture torsion coil springs using wire sizes from 10 mm to 33 mm if specifications or sample are supplied.

Alternatively we can design coils to specified rates if required. This can be particularly useful if a torsion coil is required for transporter ramps, horse float doors etc

## INFORMATION REQUIRED FOR TORSION COIL MANUFACTURE

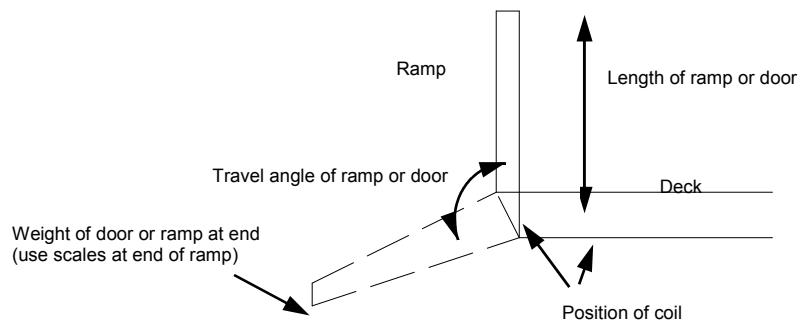


### IF REPLACING EXISTING COIL INFORMATION AS PER DRAWING ABOVE REQUIRED

- Wire Dia
- Coil inside Dia
- Leg positions and lengths
- Total number of coils (drawing has 7.25)
- Coil direction (clockwise or anti clockwise wound)

### IF DESIGNING TORSION COIL INFORMATION AS PER DRAWING REQUIRED

- Physical limitations of coil (Max dia, length etc)
- Weight of ramp or door measured at end with ramp on ground
- Angle of travel
- Length of door
- Fitted position of coil



# COMPRESSION SPRINGS

Compression springs can be manufactured from 10mm to 33mm wire using specifications or sample supplied.  
We can also design springs to specific ratings if required

## INFORMATION REQUIRED TO MANUFACTURE COMPRESSION SPRINGS

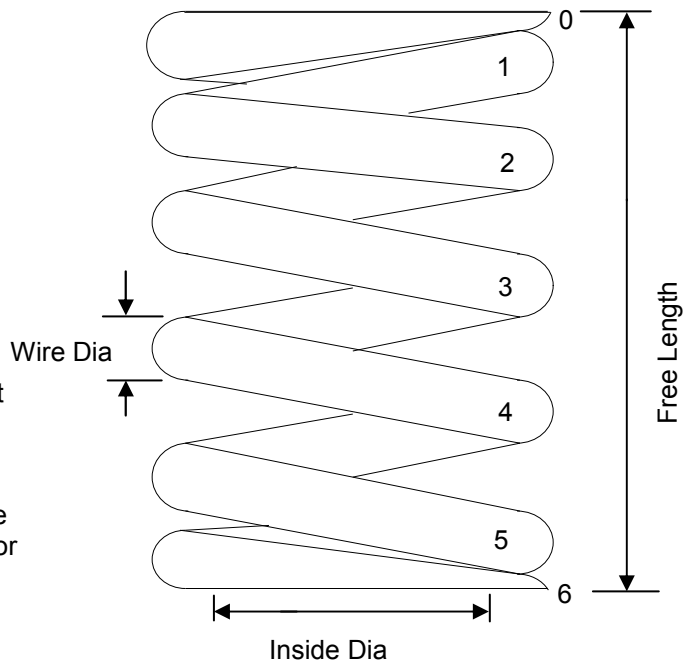
### A Wire Diameter

Coil inside Dia  
Total number of turns (drawing = 6)  
Uncompressed height  
Type of ends

### B If we are designing a new coil following information is required

Inside Dia  
Max outside Dia  
Spring rate lbs per inch or weight on coil at specific height  
Maximum compression of coil (travel)

If uprateing or derateing an existing coil we will also require original spring as sample or information as per **A & B** above plus  
Compressed height of original coil



ENDS CLOSED AND GROUND



ENDS OPEN AND GROUND



ENDS OPEN NOT GROUND



ENDS CLOSED NOT GROUND

# HORSE FLOAT DOOR EXPANSION SPRINGS



PART No	WIRE SIZE	OUTSIDE DIA	LENGTH (centre eye to centre eye)	TO SUIT
SPT	11 mm	78 mm	970 mm	Med – Heavy truck door
SPT01	11 mm	60 mm	750 mm	Medium truck door
SPT02	10 mm	60 mm	750 mm	Light truck door
SPT03	6.1 mm	50 mm	835 mm	Trailer horse float
SPT04	10 mm	78 mm	970 mm	Light – Med truck door
SPT05	12 mm	78 mm	970 mm	Heavy truck door
DSHD	9.5 mm	45 mm	970 mm	Draw Bar Spring
DB	8 mm	40 mm	515 mm	Draw bar spring extended hooks
BMS	10 mm	63 mm	130 mm	Body mount compression spring

ALL COILS ZINC COATED (except BMS & DB)